NINTH CENSUS-VOLUME II.

THE

VITAL STATISTICS OF THE UNITED STATES,

EMBRACING

THE TABLES OF DEATHS, BIRTHS, SEX, AND AGE,

TO WHICH ARE ADDED

THE STATISTICS

OF

THE BLIND, THE DEAF AND DUMB, THE INSANE, AND THE IDIOTIC.

COMPILIED,

FROM THE ORIGINAL RETURNS OF THE NINTH CENSUS,

UNDER

THE DIRECTION OF THE SECRETARY OF THE INTERIOR,

BY

FRANCIS A. WALKER, SUPERINTENDENT OF CENSUS.

Bureau of the Census Library

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1872.

MAPS AND CHARTS CONTAINED IN THIS VOLUME.

REMARKS UPON THE MAPS AND CHARTS.

The four maps of this volume, which present the range, and, within the range, the degree of prevalence, of certain specific diseases, or groups of diseases, viz: 1. Consumption; 2. Malarial diseases; 3. Typhus, typhoid, and enteric fevers; 4. Diarrhea, dysentery, and enteritis, have been prepared at the Census Office.

In respect to the three charts intended to illustrate certain of the physical characteristics of the United States, the Census Office has been the recipient of favors from individuals and institutions whose names and titles the Superintendent feels it a high honor to be allowed to associate with his work.

To that eminent and venerable scholar, Professor Joseph Henry, secretary of the Smithsonian Institution, acknowledgment is due for the two charts in the present volume, which show severally the annual distribution of rain and the courses of the lines of equal temperature. These charts are based upon the records of the Smithsonian Institution, extending over a period of more than twenty years, and comprise the results of all the observations made, under the direction of that institution, throughout the United States.

Professor A. Guyot, of Princeton College, through his publishers, Messrs. Scribner, Welford & Co., of New York, kindly placed at the disposal of the Census Office the plates of his valuable physical map of the country, to which Professor Charles A. Schott, of the Coast Survey Office, with the permission of Professor Benjamin Peirce, the Superintendent of the United States Coast Survey, has added by far the most complete and accurate series of elevations yet attained.

right for

VITAL STATISTICS.

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CORRESPONDENCE.

DEPARTMENT OF THE INTERIOR, CENSUS OFFICE,

Washington, D. C., October 27, 1870.

GENERAL: I have the honor to inquire whether it will be convenient and agreeable to your office to direct the compilation of the Statistics of Mortality for the Ninth Census of the United States, in so far as to prescribe the classification of diseases to be adopted, and the amount of detail to be retained. A large elerical force is at present engaged in this office on tabulating the returns of assistant marshals; and it is expected that the Statistics of Mortality for the whole country will be completed, so far as merely clerical labor is concerned, within the next six weeks.

Before publication can take place, however, it becomes necessary to determine what classification of diseases shall be adopted; what divisions of the country shall be separately reported, parts of States, entire States, or groups of States; whether the publication shall present the record of deaths by months or by quarters, &c.

It would be far more agreeable to my view of the interests of medical and sanitary science to have the determination of such questions left to your office than to call in at this office the services of an expert, whose treatment of the subject might be influenced by favorite theories, or who might be disposed unduly to magnify his office, and enlarge the bulk of the publication beyond the real demands of science.

Should you kindly consent to take charge of this work, it will be my endeavor to submit the matter in such form as will involve no clerical labor at your office.

Awaiting the favor of your reply, I have the honor to remain, very respectfully, your obedient servant,

Major General Joseph K. Barnes, Surgeon General, United States Army. FRANCIS A. WALKER, Superintendent.

WAR DEPARTMENT, SURGEON GENERAL'S OFFICE,

Washington, D. C., February 29, 1872.

DEAR SIR: I have the honor to transmit a report from Assistant Surgeon J. J. Woodward, United States Army, on duty in this office, who was directed to comply, as far as practicable, with the request contained in your letter addressed to me on the 27th of October, 1870, and which, in my opinion, meets the objects desired in the most satisfactory manner.

I am, sir, very respectfully, your obedient servant,

J. K. BARNES, Surgeon General;

General F. A. WALKER,

Superintendent of the Census, Washington, D. C.

SURGEON GENERAL'S OFFICE,

Washington, D. C., February 28, 1872.

GENERAL: I have the honor to report that, in compliance with the instructions of your indorsement of October 31, 1870, on the letter of the Superintendent of Census, dated October 27, 1870, Dr. Billings and I have had frequent conferences with General Walker, in which various points, involved in the determination of the most useful

mode of publishing the facts embraced in the mortality returns of the census of 1870, were discussed, and various recommendations made and adopted.

It now becomes my duty to state briefly the chief matters discussed and the conclusions arrived at.

General Walker, in his letter, asked advice-

- 1. As to the classification of diseases which should be adopted; 2. As to what divisions of the country should be separately reported, whether parts of States, entire States, or groups of States; 3. Whether the publication should present the record of deaths by months or by quarters.
- 1. With regard to the classification of diseases, it was recommended, with your approval, that the tabular form adopted should conform in all essential particulars with the nomenclature and classification published by the Royal College of Physicians of London, in 1869.

It was, of course, fully considered that no classification, based essentially upon pathological views, or upon professional ideas, would be likely to prove acceptable to the majority of medical men; for, in the present condition of medical science, insurmountable differences of opinion still exist as to many unsettled points which must necessarily be involved in the construction of any classification based upon a consideration of the actual nature of disease.

Under these circumstances it would probably have seemed best to have avoided all classifications, and to have arranged the several diseases and injuries alphabetically on the tabular forms, but for the facility of comparing the mortality tables of the present census with other valuable civil and military mortuary statistics, which could be secured only by adapting the London classification; for this classification is now in use by the registrar general of England, who employs it in his invaluable annual reports, which, being based upon the actual registration of each death at the time of its occurence, furnish by far the largest and most valuable mass of mortuary statistics in existence. It has also been adopted in the able and trustworthy annual reports of the medical department of the British army. Moreover, it agrees so nearly in its general outlines with the well-known classification of Dr. Farr, so long employed by statisticians both in England and in this country, as to render it very easy to compare statistical tables, prepared in accordance with either plan, with those prepared in accordance with the other.

If it could be shown that the classification of the English college was based essentially upon false and injurious pathological notions, which would be countenanced to some extent by its adoption, the objection would have very great weight, in spite of the very great convenience resulting from the adoption of a plan so favorable to the comparison of results obtained under so many different conditions of time and place; but, in point of fact, the new classification of the college is, to a great extent, an arbitrary one; motives of convenience rather than pathological dogmas guided its construction. It can, therefore, consistently be used for convenience sake by all, and without serious offense to the individual opinions of any.

The same advantages belonged to the classification of Dr. Farr to a greater extent than has been generally acknowledged. But such designation as *Zymotici*, *Miasmatici*, *Dictici*, *Diathetici*, prefixed to some of his classes and orders, were found to give offense in many quarters, and undoubtedly stood in the way of the general adoption of his plan. Stripped of these objectionable titles, with some consolidations and some minor changes, however, the plan of Dr. Farr has ripened into the present classification of the college.

The general considerations underlying this classification are briefly as follows:

So far as possible, diseases are grouped in accordance with the organs or set of organs deranged; that is, those diseases which are clearly connected with morbid changes of each particular part of the body, as of the liver, the intestines, the kidneys, the ovaries, the brain, &c., are grouped together, and these affections are again collected into larger groups, such as diseases of the digestive organs, of the urinary organs, of the genital organs, of the nervous system, &c. After all those diseases which can properly be referred to local lesions are grouped, a considerable number of "general diseases," that is, of affections which appear to involve a great number of diverse organs, or the "whole frame, rather than any special part of it," remain to be considered.

These general diseases are grouped by the college in two sections, A and B. The first are chiefly acute, the second chiefly chronic disorders. In the language of the preface to the nomenclature of the college—

"Section A comprehends those disorders which appear to involve a morbid condition of the blood, and which present, for the most part, but not all of them, the following characters: They run a definite course, are attended by fever, and frequently by eruptions on the skin, are, more or less, readily communicable from person to person, and possess the singular and important property of generally protecting those who suffer them from a second attack. They are apt to occur epidemically.

"Section B comprises, for the most part, disorders which are apt to invade different parts of the same body, simultaneously or in succession. These are sometimes spoken of as constitutional diseases, and they often manifest a tendency to transmission by inheritance."*

Such are the general outlines of the plan. For its full details, reference may be made to the original publication of the college,† and to the American reprint issued by the American Medical Association.‡

After fixing upon a classification, the next step in preparing the tabular forms to be used for the Mortuary Statistics of the Ninth Census was to determine which diseases and injuries should be presented separately. The nomenclature of the college enumerates over eleven hundred different affections, and, of course, a selection of the more important became imperative. The selection was not attempted until an actual enumeration of a large portion of the census returns had been made, and lists prepared showing, for several of the principal States, the actual number of deaths from each of the diseases mentioned in the returns. It was then agreed that those affections, to which comparatively larger numbers of deaths were attributed, should be separately given in the tables. The same was done with those to which importance attached from their frequent occurrence elsewhere, as shown in other statistical tables, even though the number of deaths reported were few; and the remaining affections were embraced under the head of "Other diseases," of the group to which they belonged. Of course, disorders which did not appear on the returns as having caused any deaths, are omitted from the tabular forms, even when, as in the case of epidemic cholera, &c., they have at other times produced great mortality.

The lists selected were earefully compared with the English registration reports, and with the Mortality Tables of former censuses, in order that no diseases of importance might be omitted.

The nomenclature and classification, as adopted, will be seen in full in the summaries of Tables V and VI for the United States, in which it will be noticed that the names of the diseases embraced under each group are numbered. In the tables for each State, space has been economized by omitting the titles of those diseases from which no deaths were reported, and, as the same numbers are given to the same diseases of each group in all the tables, it is easy to see at a glance which diseases are omitted in each State table, the omission, in every case, representing the fact that no deaths from that disease have been reported for that State.

It was for a time considered whether it would not be desirable to prepare supplementary tables, showing separately the number of cases of each of the diseases embraced under the head of "other diseases," in the several groups, as has been done in the English registration reports; but, on the whole, it was thought that the facts which might thus be presented were not of sufficient importance to warrant the outlay required for their proper preparation and publication. It may be mentioned, however, that the materials for the compilation of a series of such supplementary tables have been carefully preserved, and are accessible to any investigators who may be willing to bestow the necessary labor upon their discussion.

Finally, it may be suggested to those who would have preferred a mere alphabetical list of diseases, that a brief study of the classification employed in these tables will make it easy to compare any individual disease with the same affection as presented in those tables in which diseases are arranged alphabetically.

2. As to what divisions of the country should be separately presented in the Mortality Tables.

It was carnestly urged that the plan of presenting totals for certain groups of States, as pursued in the Mortality Tables of the Eighth Census, should be abandoned. In view of the growth of the country during the last ten years, and of the prospect of further rapid development, it seemed imperatively demanded that the facts relating to the mortality of each State and Territory should be separately presented.

Further subdivisions will undoubtedly become necessary in the future. As a first step in this direction, it was recommended by Dr. Billings that the extensive State of Texas should be represented by two tables; one for so much of the State as lies east of the Colorado River, the other for the portion west of that stream.

3. With regard to the question whether the record of deaths should be presented by months or by quarters, it was considered that monthly tables were so desirable that, in any choice between the two plans, that of presenting the facts by months should have preference. It then became a question whether totals for each quarter should also be presented, and this was decided in the negative. It would have occupied much space, and entailed considerable additional cost, without answering any very useful purpose. For it must be borne in mind that the English registration tables represent ordinary chronological years, each beginning January 1 and terminating December 31. The American census returns, on the other hand, represent neither chronological years nor the congressional fiscal year, which begins annually July 1 and terminates June 30 of the year following; but, necessarily, from the terms of the law, a peculiar irregular year terminating June 1.

^{*}The Nomenclature of Diseases, drawn up by a joint committee appointed by the Royal College of Physicians, of London, (subject to a decennial revision.) London, 1869. Preface, p. viii.

The schedule issued for the mortality returns of the Ninth Census called for the "name of every person who died during the year ending June 1, 1870."

Now, the English registration year is divided into four quarters, of three months each, terminating, respectively, March 31, June 30, September 30, and December 31. These divisions are purely arbitrary, and do not represent the seasons.

In the Eighth Census, besides giving monthly tables, it was endeavored to prepare quarterly totals for periods corresponding to the English. To do this it was necessary to unite the first month represented in the census, viz, June, 1859, with the last two, viz, April and May, 1860, and thus the influence of season is marked by the variations between two different years. Of course, the resulting apparent facility of comparison with the English tables is only apparent.

It was not thought best to follow this example, but it will be easy for those who desire to compare the results for any particular quarter to obtain the necessary data from the monthly tables here given.

In the monthly table (Table VI) the individual months have been arranged in the usual order, beginning with January. It must, however, be understood that, while the several months from January to May, inclusive, belong to the year 1870, the months subsequently given, from June to December, inclusive, belong to the year 1869.

I have the honor to be, very respectfully, your obedient servant,

J. J. WOODWARD,

Assistant Surgeon, United States Army.

Brigadier General J. K. Barnes, Surgeon General, United States Army.

REMARKS UPON THE STATISTICS OF MORTALITY.

If the value of the Statistics of Mortality in a census of the United States, taken under existing laws, depended upon the return of substantially the whole body of deaths occurring during the year covered by the enumeration, the results would not be worth the space occupied by publication, much less the expense of collection and compilation. At no one of the three consuses taken under the act of May 23, 1850, has the aggregate number of deaths returned by the assistant marshals risen above two-thirds of the number of deaths probably occurring during the year of enumeration, as that number is deduced from the experience of other countries, from the experience of sections of our own country having an established system of registration, and from the ascertained law of the national increase.* With such wholesale omissions from the number of deaths, therefore, if the Statistics of Mortality depended for their value on any assumed completeness in the returns of assistant marshals, the whole would deserve a contemptuous rejection at the outset, and not an elaborate and expensive compilation and publication; but, as matter of fact, the value of the following statistics arises from the consideration that these tables distribute a body of deaths approaching half a million, among the several periods of life, between the two sexes, according to cause of death and month of death, by race, by nationality, and by occupation. Deeply as it is to be regretted that the census of the United States does not afford the material for determining exactly the death-rate of States and sections, and of deducing the effect of the various conditions of life upon the duration of life, from statistics complete and accurate in every particular, the Tables of Mortality in the census have still their value. Many and important principles may be derived with assurance from them, even in their present fragmentary condition; while it is within the power of science to reconstruct and reconstitute them into something closely approaching the facts of the case, to supply the missing parts, to restore lost links of connection, and to effect a result of substantial truth and harmony.

It is easy to explain the cause of the wholesale omissions from the return of deaths in the census, which have been referred to. To take the recent census as an example, the census law required the return of all deaths occurring in families, from the 1st of June, 1869, to the 31st of May, 1870; in all, twelve months. The enumeration in the course of which this was to be accomplished began on the 1st of June, 1870, and closed, nominally, on the 1st of October, but really about the 1st of January, 1871. Thus, the officers of the census were called upon to recover all the deaths occurring during the census year, at a distance in time ranging from one day to nineteen months from the dates at which such deaths severally occurred. The antecedent improbability of success in such an attempt would be of the strongest; while the actual experience of three censuses has shown that assistant marshals fall short of the true number of deaths by not far from 40 per cent., as a rule. In some cases assistant marshals fail to put the question; in others, heads of families, or persons answering for them, fail to recall the fact of a death occurring during the year, especially when ten or eleven months have already elapsed since the date of death, and the mind, not unnaturally, refers to the event as having taken place a year or longer before. In still another large number of cases, persons die out of families, which class of cases seems not to have been in contemplation of the census law, which makes the return of mortality a family return. In still other cases, deaths occur in families, but the very death itself breaks up the family and scatters the surviving members, leaving no one to report the death in the census. In still other cases, deaths occur in what are constructively families for the purposes of the census, i. c., boarding-houses, hotels, &c., but the common tie of membership or association is here so casual and so slight that the chances are altogether against the circumstance being retained in memory six or eight mouths after.

The Superintendent is under obligations to E. B. Elliott, esq., chief clerk of the Bureau of Statistics of the Treasury Department, for the following discussion of the probable rate of mortality in the United States, as projected from the partial and fragmentary returns of mortality in the census and their reduction to the practical forms of a life-table.

2*

^{*}The dimensions attained by the life-insurance interest, within the past few years, make it peculiarly a matter of regret at the present time that the census should not afford the data for determining with absolute precision and certainty the death-rate of the country, whether in the aggregate or by classes of the population. This can never be done without a national scheme of registration, stringently enforced by penaltics. Such a scheme, however, does not exist, and is, perhaps, in the nature of our Government, wholly impracticable. The number of States which provide for themselves a system of registering births, deaths, and marriages, will probably increase from decade to decade, while the results of registration will improve steadily with each year for which the effort is continued, affording thus fuller and better material for correcting errors and supplying deficiencies in the census statistics; but it is too much to expect, for many a decade to come, that all the States will join in efforts to secure exact information of this character.

TABLE III.—Approximate Life-table, (continued,) constructed on the basis of the United States Census of 1870, showing, for different ages of life, the number of persons surviving out of 100,000 born alive; the number of persons living at and over those ages in a stationary population sustained by 100,000 annual births; and the mean future duration of life.

Ages.	Proportion born and surviving specified ages; also, annual deaths at and over splecified ages in a stationary population sustained by 100,000 annual births.	Persons living at and over specified ages in a stationary population sustained by 100,000 annual births.	ean future duration (or "expectation") of life from specified ages.					
Years,	Propos ings nual spec ary by 1	Perse ape ary by	Mean "exj speci					
w	δα:ω.	Ρ _{ω:ω,}	$Q_{x} \div L_{x}$					
	L _x .	Q _x	E _{v.}					
.t.,	2.	3.	4.					
0	100,000	3, 925, 442	39, 254					
1	84, 468	3, 834, 130	45, 392					
2	78, 857	3, 752, 333	47.584					
3	76, 092	3, 674, 474	48, 200					
4	74, 377	3, 598, 772	48. 386					
5	73, 179	3, 524, 518	48.163					
10	60, 864	3, 166, 954	45, 330					
15	67, 919	2, 822, 150	41,556					
20	65, 083	2, 489, 305	38, 248					
25	61, 370	2, 173, 260	35, 413					
30	57, 744	1, 875, 498	32, 480					
35	- 54, 143	1, 595, 772	29, 473					
40	50, 489	1, 334, 147	26, 425					
45	44, 681	1, 091, 134	23. 374					
50	42, 606	867, 764	20.367					
55	38, 137	665, 725	17. 450					
60	33, 159	487, 254	14.695					
65	27, 616	335, 081	12, 134					
70	21, 585	911,006	9, 817					
75	15, 369	119, 539	7,778					
- 80	9, 544	57, 580	6, 033					
85	4, 849	22, 217	4, 582					
90	1, 830	6, 254	3, 416					
95	449. 6	1, 117. 7	2, 486					
100	57. 9 2, 9	103.0	1.779 1.260					
105		3, 6						

In column (2) of Table III is shown the number surviving the different ages of life, out of 100,000 persons born alive. Thus, out of 100,000 born alive, 69,864 survive age 10; 65,083 survive age 20; 42,606 survive age 50; 9,544 survive age 80; 58 reaching the advanced age of 100 years. In column (4) of the same table is shown the mean after-life time, or mean future duration of life corresponding to the different ages specified. Thus, at birth, the mean future duration of life indicated is 39½ years; at age 20, 38½ years; at age 40, nearly 26½ years; at age 60, nearly 15 years; and at age 80, about 6 years.

 ${\bf TABLE\ IV.--} Proportions\ born\ and\ surviving\ oertain\ ages\ in\ different\ communities,\ compared.$

Ages—years.	United States, census	England and Wales, if 1838–34, (17 years.)		Carlisle, 1842-56, (9 years.)	Belgium, 1842-50,	Massachusetts, (part of,) 166 towns, (townships,) 1855.†
ঈ	25111016.	garr.	391110105	Milno.	Elliott.	Elliott.
1.	2.		4.			<u> </u>
1.	స.	3.	a.	5.	6.	7.
0	10, 000	10, 000	10, 039	10, 000	10, 000	10,060
10	6, 986	7, 025	6, 589	6, 460	6, 919	·
20					,	6, 873
	6, 508	6, 628	6, 165	6, 090	6, 386	6, 437
30	5, 774	6, 037	5, 641	5, 649	5, 754	5, 748
40	5, 049	5, 386	5, 008	5, 075	5, 130	5, 078
50	4, 261	4, 043	4, 243	4, 397	4, 413	4, 400
60	3, 316	3, 698	3, 141	3, 643	3, 464	3,597
70	2, 159	2, 380	1, 573	2, 401	2, 185	2, 475
- 80	954	901	444	953	787	1,059
90	183	115	50	142	110	8tr
100	5, 8	ង	1	Ω	5	ន
<u> </u>		· · · · · · · · · · · · · · · · · · ·				

^{*}See published proceedings of American Association for the Advancement of Science, at its meeting held in Buffale, in 1856, †See published proceedings of American Association for the Advancement of Science, at its meeting held in Montreal, in 1857.

TABLE V.—Mean future duration of life at certain ages in different communities, compared.

	United States census.	England and Wales, 17 years.	Prussia, 3 years.	Carlisle, 9 years.	Massachusetts, (part of.)166towns,(town- ships.)
ழ்	Elliott.	Farr.	Jilliott.	Milno.	Elliott.
Ages—years.	1870.	1838-'54.	1839'40'-11.	1770-'87.	1855.
Ages	Persons.	Persons,	Persons.	Persons.	Persons.
0	39, 25	40, 9	36. 7	38.7	39, 8
[10 [45. 3	47. 4	44.8	48.8	47. 1
20	38, 9	39. 9	37. 5	41.5	30, 9
30	32, 5	33. 3	30, 6	94. 3	34, 0
40	20, 1	20.7	23, 8	27. 0	27. 9
50	20, 4	20. 1	17. 1	21.1	21, 3
60	14.7	13, 9	11.9	14.3	15, 0
70	9,8	8, 7	7.4	9, 13	9.4
80	0.0	5. 1	4,8	5, 5	5, 0
90	3.4	2, 9	3, 0	3, 3	2, 9
95	2, 5	2, 2		3, 5	2, 3

TABLE VI.—LIFE ANNUITIES—5 PER CENT. PER ANNUM.

Present value of one dollar, payable at the end of each year during the life of a person of specified age, the rate of interest on investments being assumed at 5 per cent. per annum.

Ages—ycars.	United States census, 1870.	England and Wales,	1838–54, (17 years.)	Massachusetts, (part of.) 1855.
Δges	Persons.	Males.	Females.	Persons.
0	\$I2 6	\$12.7	\$13, 2	\$19.6
10	16. 0	16, 5	16, 5	16.3
20	14.9	15.5	15. 5	15, 3
30	14. 1	14.4	14. G	14.5
40	12. 9	13.0	13, 3	13.4
50	11,1	11.0	11.4	11.7
60	9.0	8, 6	9.0	9.3
70	6.6	5. 9	6.2	6.5
80	4, 3	3, 6	3. 9	3.6
90	2.4	Ω, 1	2, 2	2.1
100	1.1	1.1	1. 2	1.0

Let $P_{x,y}$ denote the number of persons living between the ages of x and y years in a stationary population; that is, in a population uninfluenced by migration, and in which the losses by reason of advancing age and by deaths at each interval of age are exactly compensated by gains from advancing age, and from births; and let f. $P_{x,y}$ (that is, f times $P_{x,y}$) denote the corresponding number of persons living in a fluctuating population in which obtains the same invariable law of mortality; that is, in a population in which the numbers at the different intervals of age are increasing or decreasing, the number of persons annually passing from any age-interval not being exactly compensated for by the number of persons entering that interval.

Let $\delta_{x,y}$ denote the corresponding annual number of deaths between the ages of x and y in the stationary papelition; the corresponding number of deaths in the fluctuating population, considered with reference to the table of the period in which the deaths occur, when the number of the population is large and the interval of age and therefore be nearly represented by f. $\delta_{x,y}$; and if $M_{x,y}$ be taken to denote the annual rate of mortality or persons in the fluctuating population between the specified ages, it would consequently, also, denote the rate of mortality obtaining at the same ages in the stationary population; that is, $M_{x,y} = \frac{f \cdot \delta_{x,y}}{f \cdot P_{x,y}} = \frac{\delta_{x,y}}{P_{x,y}}$. Such rate of mortality may, therefore, be considered as independent of the fluctuating character of the population from which it is derived.

The numbers living at different small intervals of age, and the corresponding number of annual deaths in a fluctuating population being accurately known, it is possible from these data to ascertain the proportionate numbers of the living and of deaths in the corresponding stationary population.

These deduced numbers, when tabulated, constitute forms in which a life-table, so-called, may be presented. From such life-table may easily be computed mean future duration of life at different ages; also, life annuities at different rates of interest of money, and other monetary values contingent on the duration of human life.

In passing, summarily, by a novel and compendious process, from the rates of annual mortality at different intervals of age, in a fluctuating population, to the forms of a life-table, or table of values expressing the conditions of a stationary population, advantage was taken of the important analytical principle, necessarily underlying all data of this character, that the rate of mortality within specified limits of age $(M_{x,y})$ in a stationary population, is, also, the derivative (or differential co-efficient) of the Napierian logarithm, taken negatively, of the number of persons surviving within the specified limits of age, $(-D_x^{\lambda}P_{x,y})$; or the differential co-efficient of the Napierian logarithm, taken negatively, of the probability that the persons living within the specified limits of age will survive a moment of time,

$$-\frac{1}{\varepsilon} \left(\frac{P_{\alpha + dx; y + dy}}{P_{x; y}} \right) \cdot \frac{1}{dx}$$

$$\mathbf{M}_{\alpha; y} = \frac{\delta_{\alpha; y}}{P_{x; y}} = \frac{-\mathbf{D} P_{\alpha; y}}{P_{x; y}} = -\mathbf{D} \frac{1}{\varepsilon} P_{x; y} + \frac{1}{\varepsilon} \left(\frac{P_{\alpha + dx; y + dy}}{P_{x; y}} \right) \cdot \frac{1}{dx}$$

that is-

d, denoting the differential of the quantity to which it is prefixed; D, denoting the derivative or differential co-efficient of such quantity; ε , (the Greek *epsilon*,) denoting the Napierian base, (to wit, 2.71828;) the symbol $\frac{\lambda}{\varepsilon}$ denoting the Napierian logarithm of the quantity to which it is prefixed, and $\frac{\lambda}{10}$ denoting its common logarithm.

It follows, convenient laws of relation being assumed to connect the several successive rates of mortality, that the inverse derivative (or the integral co-efficient) of the specified rate of mortality, ($\mathbf{C} \mathbf{M}_{\pi,y}$), is the Napierian logarithm, taken negatively, of the number of persons living within the specified limits of age in the stationary population; that is—

$$\mathbf{q} \, \mathbf{M}_{x,y} = \frac{\lambda}{\epsilon} \, \mathbf{P}_{x,y} + \mathbf{a} \, \text{constant};$$

and, consequently, that the definite inverse derivative (or definite integral) of such rate of mortality, taken from one age-interval (x:y) to the equal age-interval next following, (y:z) is equivalent to the difference between the Napierian logarithms of the number of persons living in the earlier age-interval, $\binom{\lambda}{\epsilon} P_{x,y}$, and of the number living in the next later equal age-interval $\binom{\lambda}{\epsilon} P_{y,z}$; that is—

$$\mathbf{C}_{x,y}^{y,z}\mathbf{M}_{x,y}=\frac{\lambda}{e}\mathbf{P}_{x,y}-\frac{\lambda}{e}\mathbf{P}_{y,z}$$

and is, therefore, equivalent to the Napierian logarithm, taken negatively, of the probability that the persons living in the earlier age-interval (x:y) will survive the later (y:z) of the two intervals.

That is-

$$\mathbf{q}_{x,y}^{y,z} \mathbf{M}_{x,y} = -\mathbf{c}_{x}^{\lambda} \left(\frac{\mathbf{P}_{y,x}}{\mathbf{P}_{x,y}} \right)$$

Successive summation of these results, from the earliest of the equal intervals of age onward toward extreme old age, will give, relatively to the value in the earliest interval, successively, the Napierian logarithms of the proportionate numbers living in the later intervals. From this series of values may be readily obtained the common logarithms of such values ($\frac{\lambda}{10} P_{x,y}$), and the values themselves, ($P_{x,y}$).

The proportionate number of persons living in the stationary population $(P_{x,y})$ in the successive intervals of age being thus determined, the corresponding number of deaths $(\delta_{x,y})$ may be found by multiplying such proportionate number by the corresponding rate of mortality $(M_{x,y})$, already ascertained;

thus---

$$\delta_{x,y} = \mathbf{M}_{x,y} \times \mathbf{P}_{x,y}$$

By successive summation of the numbers living, $(P_{x,y})$, and of the deaths $(\delta_{x,y})$ at the different consecutive intervals of age, beginning with the extreme limit of old age, may be found the proportionate numbers, at and over specified ages in the stationary population, both of the living $(P_{x,\omega})$ and of annual deaths, $(\delta_{x,\omega})$; thus—

$$P_{x,\omega} = P_{x,y} + P_{y,z} + \dots P_{v,\omega} = Q_{x}$$

which equals the proportionate number of persons living at and over any specified age (x); and,

$$\delta_{x,\omega} = \delta_{x,y} + \delta_{y,z} + \dots \delta_{v,\omega} = L_x$$

which equals the proportionate number of annual deaths at and over the specified age (x) in the stationary population, and is equivalent, also, as may be shown, to the proportionate number of persons surviving the specified age out of the annual number of births (L_0) by which the stationary population is sustained.

In the foregoing formulas and tables, ω (the Greek *omega*) is employed to denote the extreme limit of old age, and the symbol $\mathfrak C$ to denote the inverse derivative (or integral co-efficient) of the quantity to which it is prefixed.

The quotient of the proportionate number of persons in the stationary population at and over a specified age, as Q_x , divided by the number surviving the specified age (L_x) out of the annual number of births by which the stationary population is sustained, gives, in years, the mean future duration of life, (commonly called "expectation" of life,) (E_x) .

The great deficiency manifest in the returns of deaths, a deficiency inherent in any system which seeks to secure complete returns of these events for an entire year by simply conducting an inquiry at its close, will, for the future, it is earnestly hoped, be remedied by legislation, establishing a national system for the registry of deaths and of births as they occur.

By no simpler or less radical process is it possible for the statistics of the movement of population of the United States to be placed on a par, as to efficiency and completeness, with that of England, France, Belgium, Prussia, Sweden, Norway, and certain other of the progressive states of Europe. Legislation by the several States of the Union is necessarily inadequate to the accomplishment of this object.

Mr. A. W. Paine and Mr. D. C. Marshall, acting under special detail from the Census Office, deserve special mention for the care and accuracy with which they have performed the numerical computations.

Note.—Anomalous entries. A few entries in Table V of the present volume may appear strange and questionable, if not wholly impossible and absurd. These are the cases of death, under the age of 3 years, and even of 1 year, from gout, from calculus, from diabetes, from cancer of the uterus, and from disorders of the intellect; and of death at 10, 15, and even 25 years of age, from cholera infantum and from teething. It might also seem to one not familiar with Mortuary Statistics that cancer of the breast should not be assigned as the cause of death in males. The doubtful cases of these classes number in all about 160.

Some of these entries are undoubtedly due to clerical errors on the part of assistant marshals in transcribing their schedules, or to ignorance on the part of families making return of deceased members. Some of the most unmistakable might, perhaps, with advantage have been corrected by the Superintendent; but it has been thought best to exercise great caution in departing from the strict letter of the return, even for the sake of avoiding criticism.

Cholera infantum may be a proper description of the cause of death up to 10 or even 12 years of age, especially where the subject is exceptionally immature and feeble. The 7 cases, above the age of 15, reported from this cause, are probably the result of errors of transcription or otherwise, and should be assigned to some other head in the same general class.

Teething, again, may be a proper description of the cause of death up to the age when the last teeth are finally cut, although the 12 deaths reported from this cause, above the age of 5 years, were more probably due to necrosis of the jaw, connected with teething, and, therefore, in the apprehension of the family, confounded with it.

Cancer of the uterus, under 1 year of age, is possible, but exceedingly improbable, and the single death from this cause, reported within this period of life, is undoubtedly an error.

Calculus and diabetes are established causes of death in children of the earliest age, and the reasonableness of the entries in Table V is sufficiently proved by reference to European statistics.

Gout, although congenital, can hardly be accepted as a cause of death under the age of 1 year, and the single entry to that effect in Table V is probably an error.

Disorders of the intellect may and do cause death in infants of a very early age, and the 4 cases reported under I year, although questionable, cannot be pronounced clearly wrong.*

Cancer of the breast is a perfectly proper specification as a cause of death in males, although the number of such cases reported (47) would, perhaps, justify a doubt with regard to some of them.

^{*&}quot;Disorders of the intellect," in the nomenclature adopted, includes idiocy.

THE PROPORTION OF DEATHS IN THE UNITED STATES, FROM EACH CAUSE AND CLASS OF CAUSES TO DEATHS FROM ALL CAUSES, AND TO POPULATION—1870, 1860, 1850.

		erga, a 100 til omga mjak hali omga kiloni Maria di maria maria dan maria	1870.	<u> </u>			ما بسماستان ہے	1860.			- 1-11 - 111 - 1-1		1850.	MARKETT S. I. France - Mark	· Santasa a Nakapitan Nigeranda Mariana and Mariana da Mariana and Mariana da
CAUSE OF DEATH,	Deaths from all causes.	Deaths from each cause in 100,000 deaths from all causes.	Deaths from all causes to one death from each cause.	Deaths from each cause in 100,000 living persons.	Living persons to one death from each cause.	Deaths from all causes.	Deaths from each cause in 100,000 deaths from all causes.	Deaths from all causes to one death from each cause.	Deaths from each cause in 100,000 living persons.	Living persons to one death from each cause.	Deaths from all causes.	Deaths from each cause in 100,600 deaths from all causes.	Deaths from all causes to one death from each cause.	Deaths from each cause in 160,000 living persons.	Living persons to one death from each cause.
GRAND TOTAL	492, 263	100, 000		1,276. 7	78	394, 153	100, 000		1, 253, 5	80	323, 023	100, 000		1,392, 8	72
Unknown causes	17, 266	3, 507	7()	44.8	2, 233	43, 762	11, 103	9	139, 2	719	44, 233	13, 693	7	190. 7	594
I.—GENERAL DISEASES. General discases, A. Total	94, 832	19, 264	5	245, 9	407	83, 987	21, 308	4	207.1	374	91, 440	28, 308	4	394.3	253
1. Small pox 2. Measles 3. Scarlet fever	4, 507 9, 237 20, 320	916 1, 876 4, 128	109 53 24	11, 7 23, 9 52, 7	8, 555 4, 174 1, 898	1, 271 3, 899 26, 402	393 989 6, 698	310 101 15	4. 0 12. 4 84. 0	24, 740 8, 064 1, 191	9, 352 9, 983 9, 584	798 923 2, 967	137 108 34	10. 1 19. 9 41. 3	9, 860 7, 775 9, 420
4. Typhus fover. 5. Gerobro-spinal fover 6. Enterie fover. 7. Yellow fover. 8. Intermittent fover 9. Remittent fover	1,770	300 132 4, 507 36 1, 451 870	278 756 22 2,781 69 115	4.6 1.7 57.5 0.5 18.5 11.1	21, 764 59, 229 1, 738 217, 844 5, 399	19, 236 660 4, 550 11, 120	4, 860 167 1, 154 2, 881	90 597 86 35	61, 9 9, 1 14, 5 35, 4	1, 635 47, 641 6, 911 2, 828	13, 099 785 964 148	4, 055 243 298 46	1, 346 25 411 335 2, 183	50, 5 3, 4 4, 9 0, 6	96, 633 1, 771 29, 544 24, 058 156, 702
10. Typho-malarial fever 11. Cholera 12. Diphtheria 13. Hooping cough 14. Influenza 15. Erysipelus 16. Puorperal fever 17. Pvennia	260 956 6,303 9,008 204 3,169 1,828	53 52 1, 280 1, 830 41 642 371 52	1,893 1,923 78 55 2,413 156 269 1,908	0.7 0.7 16.3 23.4 0.5 6.2 4.7 0.7	9, 007 148, 301 150, 619 6, 117 4, 280 189, 019 12, 194 21, 093 149, 451	996 1, 663 8, 408 385 2, 746 1, 202	253 422 2,133 98 697 305	396 237 47 1, 024 144 327	3.9 5.3 26.7 1.9 8.7 3.8	31, 570 18, 908 3, 740 81, 671 11, 453 26, 159	31,506 5,220 252 2,786 520	9, 754 1, 635 78 863 161	61 1, 282 116 621	135, 8 29, 8 1, 1 19, 0 2, 3	730 4, 392 92, 031 8, 324 44, 600
18. Other diseases of this group General diseases, B.	3, 281	667	150	8.5	11,758	1,449	368	272	4.6	21,700	20, 941	6, 483	15	90.3	1, 107
Total	93, 859	19, 067	5	243. 4	411	71, 660	18, 181	6	227. 0	439	50, 809	15, 748	6	219.3	456
1. Rheumatism	2, 912 43 590 510 630	599 9 190 104 128	169 11, 448 836 965	7, 5 0, 1 1, 5 1, 3 1, 6	13, 241 896, 706 65, 353 75, 605 61, 294	1, 881 41 233	477 10 59	209 9, 613 1, 692	6. 0 0. 1 0. 7	16, 716 766, 910 134, 950	983 50 146	304 15 45	329 6, 460 2, 919	4.3 0.9 0.6	23, 593 463, 838 158, 848
5. Cancer of breast 6. Cancers, other 7. Non-malignant tamors 8. Serofula 9. Consumption 10. Diabotes 11. Senryy 12. Automia 13. Dropsy 14. Other diseases of this group	5, 084 891 3, 418 69, 896 837 69 265	1, 033 181 694 14, 199 170 14 54 1, 596 173	781 97 559 144 7 788 7,134 1,858 63 578	13. 3 9. 9 181. 3 0. 9 0. 7 20. 4 2. 9	7, 584 43, 275 11, 281 552 46, 007 558, 817 145, 503 4, 908 45, 309	3, 672 608 2, 703 49, 083 79 39 12, 657 280	932 154 680 12, 453 98 20 10 3, 211 71	107 648 140 8 1,024 4,089 10,100 31 1,407	11. 7 1. 9 8. 6 156. 1 1. 2 0. 3 0. 1 40. 3 0. 9	8, 563 51, 716 11, 633 641 81, 671 398, 017 806, 239 2, 484 112, 298	2, 088 336 1, 860 33, 516 231 54 11, 217 388	646 104 576 10, 376 73 17 3, 473 120	155 901 174 10 1, 398 5, 982	9, 0 1, 4 8, 0 144, 5 1, 0 0, 2 48, 4 1, 7	11, 107 69, 023 12, 469 692 100, 398 429, 479 2, 068 50, 773
II.—LOCAL DISEASES. Diseases of the nervous system.	To Plant of Contraction					orbidenth and distance through					manufacturing of Arthritis has market and a second	gammaga ana girotofoto ma Malayarigan ang pipiniPron Anad		garweines social retrieve of the second seco	Management and the control of the co
Total	60, 455		8	156, 8	63R	40, 216		10	127. 0	780	23, 668	7, 327	14	102.0	980
1. Encephalitis 2. Meningitis 3. Apoplexy 4. Sun-stroke 5. Hydrocephalus 6. Paralysis 7. Totanus 8. Hydrophobia 9. Epilepsy 10. Convulsions 11. Chorea 12. Disorders of the intellect 13. Other diseases of this group	13, 701 3, 334 5, 226 397 4, 041 7, 501 1, 626 63 1, 414 12, 751 76 731 9, 594	2, 783 677 1, 062 81 82 1, 524 330 13 287 2, 590 15 149 1, 949	36 148 1,240 192 88 303 7,814 348 39 6,477 673 51	35.5 8.6 13.6 1.0 10.5 19.4 4.2 0.2 3.7 33.1 0.2 1.9 21.0	2, 814 11, 505 7, 378 97, 124 9, 542 5, 140 23, 714 612, 038 27, 269 3, 024 507, 347 52, 747 4, 019	10, 349 3, 083 3, 083 3, 414 4, 637 1, 621 501 9, 077 452 6, 629	2, 626 782 91 866 1, 176 411 10 127 2, 304 115 1, 682	128 1,093 115 85 243 10,372 767 43 7,162 872 59	32.9 9.8 1,1 10.9 14.7 5.2 0.1 28.0 0.2 1.4 21.1	3,038 10,100 87,343 9,210 6,781 19,307 827,456 62,761 3,464 574,607 60,565 4,743	1, 958 1, 958 1, 674 2, 709 694 26 373 6, 072 51 300 3, 138	1, 988 77 518 839 915 8 115 1, 880 17 93 971	165 1, 303 194 119 465 19, 494 866 53 5, 989 1, 077	97. 7 8. 4 1. 1 7. 9 11. 7 3. 0 0. 1 1. 6 26. 9 0. 9 1. 3 13. 5	3, 611 11, 845 93, 515 13, 854 8, 561 33, 418 891, 995 62, 177 3, 819 429, 479 77, 306 7, 391
Diseases of the circulatory system.										***************************************					
Total		3, 460	29 1,851	44, 2	2, 264 144, 956	7, 880 40	1,999	50 8, 044	25. 1 0. 2	3, 990 641, 700	3, 202	991	101	13.8	7, 243
Pericarditis Valvalur disease of heart. Hypertrophy of heart Gynnosis Anourism Other diseases of this group.	1 314	179 154 04 207 2,809	1, 651 559 650 1, 568 482 36	2. 3 2. 0 0. 8 2. 6 35, 8	43, 767 50, 936 129, 797 37, 728 2, 795	99 44 7,758	7 11 1,008	13, 591 8, 958 51		1, 084, 252 714, 621 4, 053	8 3, 194	2 980	40, 378 101	0. 0 13. 8	2,898,084 7, 261
Diseases of the respiratory system.															200 AUGUST - MARKATAN
Total 1. Croup 2. Laryngitis 3. Bronchitis 4. Asthma 5. Pneumonia 6. Pleurisy 7. Hydrothorax 8. Other disenses of this group	63, 971 10, 692 295 4, 049 1, 264 40, 012 1, 084 2, 689 3, 886	12, 995 2, 172 60 892 258 8, 128 220 546 789	40 1, 669 1923 380 12 454 183 127	165. 9 27. 7 0. 7 10. 5 3. 3 103. 8 2. 8 7. 0 10. 1	3, 606 130, 706 9, 523 30, 505 964 35, 570 14, 339 9, 922	40, 803 15, 211 74 1, 919 27, 094 1, 260 3, 570	19, 636 3, 859 10 487 170 6, 874 320	8 5, 326 5, 326 589 15 313	158.4 48.4 0.2 6.1 2.1 86.2 4.0	9, 007 424, 910 16, 385 47, 000 1, 161 24, 955	31, 428 10, 706 1, 039 3, 360 451 12, 130 2, 107 1, 575	9, 730 3, 314 399 1, 040 140 3, 755 671 488	30 311 96 716 27 149	135, 5 46, 2 4, 5 14, 5 1, 9 52, 3 9, 3	738 2, 166 22, 321 6, 902 51, 423 1, 912 10, 703

THE PROPORTION OF DEATHS IN THE UNITED STATES, FROM EACH CAUSE AND CLASS OF CAUSES TO DEATHS FROM ALL CAUSES, AND TO POPULATION—1870, 1860, 1850.

	1 4					·							· .		
			1870.					1860				. :	1850.		
CAUSE OF DEATH.	Deaths from all causes.	Deaths from each cause in 100,000 deaths from all causes.	Deaths from all causes to one death from each cause.	Deaths from each cause in 100,000 living persons.	Living persons to one death from each cause.	Deaths from all causes.	Deaths from each cause in 100,000 deaths from all causes.	Deaths from all causes to one death from each cause.	Deaths from each cause in 100,000 living persons.	Living persons to one death from each cause.	Deaths from all causes.	Deaths from each cause in 100,000 deaths from all causes.	Deaths from all causes to one death from each cause.	Deaths from each cause in 100,000 living persons.	Living persons to one death from each cause.
Discuses of the digestive system.					Y										
Total	73, 999	15, 033	7	191. 9	521	47, 586	12, 073	8	151.3	661	45, 683	14, 142	7	197. 0	508
1. Aphthm 2. Cancrum oris 3. Teaching 4. Tonsillitis 5. Gastritis 6. Dyspensia. 7. Other diseases of the stomach 8. Enteritis 9. Dysentery 10. Obstructions of the intestines 11. Hernia. 12. Diarrhem 13. Cholera infantum 14. Colic 15. Coustipation 16. Fistula. 17. Other diseases of bowels 18. Hopatitis 19. Cirrhosis of liver 20. Jaundice 21. Biliary calculi 22. Other diseases of liver 23. Peritonitis 24. Ascitos 25. Other diseases of this group	536 165 3, 947 7, 944 1, 960 9, 046 7, 963 638 14, 195 1, 046 1, 534 2, 328 2, 328 2, 328 1, 366 2, 328 2,	109 34 660 50 586 172 195 1,633 1,605 63 130 2,884 4,115 212 32 32 32 33 10 47 47 17 47 17 47 18 278	9, 983 9, 983 2, 917 259 517 513 54 62 1, 872 772 35 24 47 11, 188 193 1, 674 11, 188 193 11, 674 211 211 211 221 227	4446992555778557446084460506 2300425557785574460084460506 350040355	71, 937 233, 687 11, 875 158, 926 20, 294 45, 848 40, 105 4, 962 4, 873 146, 610 60, 436 2, 716 60, 436 252, 015 876, 337 15, 121 1, 971, 966 16, 563 40, 201 27, 981 17, 802	1, 012 4, 909 730 1, 019 832 274 6, 304 10, 468 360 7, 850 4, 608 37 1, 610 200 681 2, 033 113 3, 746	257 1, 245 185 259 211 70 1, 599 2, 656 1, 992 1, 920 408 51 173 668 29	389 80 540 387 474 1, 438 63 38 1, 094 50 82 10, 652 245 1, 971 579 150 3, 488 105	3. 2 15. 6 2. 3 3. 3 2. 6 0. 9 20. 0 33. 3 1. 1 25. 0 15. 3 0. 1 5. 1 0. 1 8. 4 0. 4	31, 070 6, 405 43, 073 30, 857 37, 792 114, 757 4, 988 3, 004 87, 343 4, 006 6, 540 849, 819 19, 530 157, 217 46, 172 11, 942 278, 259	424 2, 443 562 272 616 2, 886 20, 556 241 7, 034 3, 060 1, 221 15 58 464 1, 851 3, 7	18 144 573 11	762 139 575 1,188 524 112 16 1,340 41 82 265 21,535 5,569 735 8,730	1. 8 10. 5 2. 4 1. 2 2. 7 12. 4 88. 6 1. 2 34. 2 17. 1 5. 3 0. 0 0. 2 2. 0	54, 698 9, 493 41, 267 85, 264 37, 649 8, 001 1, 128 96, 232 2, 923 5, 857 18, 994 1, 546, 125 399, 860 49, 982 12, 529 626, 857
Diseases of the urinary system and male organs of generation.					- 1, 200			100	11.0	8, 394	2,143	664	151	9.2	10, 822
Total 1. Bright's disease	4, 744	964	104	12.3	8, 128	1,731	439	228	5, 5	18, 165	1,068	331	302	4.7	21,715
2. Nephritis 3. Other kidney diseases 4. Cystitis 5. Calculus 6. Other diseases of this group	1, 722 517 1, 724 311 73 397	350 105 350 63 15 81	280 952 281 1, 583 6, 743 1, 240	4.5 1.3 4.5 0.8 0.2 1.0	22, 302 74, 581 22, 366 123, 952 528, 197 97, 124	816 189 674 59	207 46 171 15	483 2, 166 585 6, 681	2, 6 0, 6 2, 1 0, 2	38, 533 172, 766 46, 652 532, 938	811 257	251	398	3. 5	28, 597 90, 241
Diseases of the female organs of generation.													Parameter of the same of the s		AND PROPERTY OF THE PROPERTY OF
Total 1. Ovarian tumors	1, 318	268	373	3.4	29, 255	410	104	961	1.3	76, 691	7	2	46, 146	0.0	3, 313, 195
2. Diseases of the group	1, 020 120	34 209 25	2, 913 478 4, 102	0, 4 2, 7 0, 3	928, 156 37, 479 321, 320	9 244 157	2 61 41	43, 795 1, 615 2, 511	0. 0 0, 8 0. 5	3, 493, 702 128, 866 200, 276	7	2	46, 146	0.0	3, 313, 125
Affections connected with pregnancy. Total	4 010							,							
1. Abortion	198	977	2, 618	12.5	8, 016 205, 098	4,066	1, 032	97	12.9	7, 733	3, 117	965	104	13. 4	7, 440
2. Childbirth 3. Puorporal convulsions	4, 406 216	895 44	112 2, 279	11. 4 0. 6	8, 751 178, 511	4, 066	1,032	97	12.9	7, 733	3, 117	965	104	13, 4	7, 440
Diseases of the organs of locomotion.															
Total 1. Diseases of the spine	2, 187	444	225	5. 7	17, 631	1, 393	353	283	4. 4	22, 572	787	244	410	3. 4	29, 469
2. Diseases of the bones	1,663 132 188	338 27 38	296 3, 729 2, 618	4. 3 0. 4 0. 5	23, 186 292, 109 205, 098	1,078 184	273 47	366 2, 142	3. 4 0. 6	29, 168 170, 888	607	188	532	2.6	38, 207
4. Diseases of the joints	204	41	2, 618 2, 413	0, 5	189, 012	131	33	3, 008	0.4	240, 025	57 123	18 38	5, 667 2, 626	0.2	406, 875 188, 552
Diseases of the integumentary system. Total	2, 778	564	177	7. 2	19.000	0.400	24.1								
1. Addison's disease	12	<u>.</u>	41, 022	0.0	13, 880 3, 213, 198	2, 422	61.4	162	7. 7	12, 982	428	132	755	1.8	54, 187
2. Abscess 3. Carbuncle 4. Skin diseases	665 168 1, 933	135 34 393	2, 930	1.7 0.5	57, 983 229, 514	568 98	144 25	693 4, 022	1.8 0.3	55, 358 320, 850	311 25 92	96 8	1, 039 12, 921	1.3 0.1	74, 572 927, 675
HI.—CONDITIONS NOT NECESSARILY ASSOCIATED WITH GENERAL OR	1, 955	993	255	5. 0	19, 947	1,756	445	224	5. 6	17, 906	92	28	3, 511	0. 4	252, 080
Total	28, 493	5, 788	17	73. 9	1, 353	15, 477	3, 927	25	49. 2	2, 032	10 049	9 200	90		
1. Still-born 2. Old age 3. Dobility	9, 060 7, 986 11, 447	1, 841 1, 621 2, 326	54 62 43	23. 5 20. 7 29. 7	4, 256 4, 828	1, 540 10, 887	391 2,762	256 36	4. 9 34, 6	20, 418 2, 888	377 9,027	3, 388 117 2, 795	30 857 36	47. 2 1. 6 38. 9	2, 119 61, 517 2, 569
IVPOISONS.					3, 368	3,050	774	129	9, 7	10, 309	1,539	476	210	6.7	15, 069
Total	2, 351 1, 410	287	209	6. 1 3. 6	16, 401	2, 456	623	160	7.8	12, 803	1,382	428	234	6.0	16, 781
2. Lead 3. Poisons not specified	910	287 6 185	15, 879 541	0. 1 2. 4	27, 346 1, 243, 818 42, 372	1,506 950	382 241	262 415	3, 0	20, 879 33, 098	951 431	294 134	340 749	4, 1 1, 9	24, 387 53, 809

THE PROPORTION OF DEATHS IN THE UNITED STATES, FROM EACH CAUSE AND CLASS OF CAUSES TO DEATHS FROM ALL CAUSES, AND TO POPULATION—1870, 1860, 1850.

			1870.					1860	•		1850.						
CAUSE OF DEATH.	Deaths from all causes.	Deaths from each cause in 100,000 deaths from all causes.	Deaths from all causes to one death from each cause.	Deaths from each cause in 100,000 living persons.	Living persons to one death from each cause.	Deaths from all causes.	Deaths from each cause in 100,000 deaths from all causes.	Deaths from all causes to one death from each cause.	Deaths from each cause in 109,000 living persons.	Living persons to one death from each cause.	Deaths from all causes.	Deaths from each cause in 100,000 deaths from all causes.	Deaths from all causes to one death from each cause.	Deaths from each cause in 100,000 living persons.	Living persons to one death from each cause.		
v.—parasites.—Worms	1,069	217	460	2.8	36, 070	1, 996	506	197	6.4	15, 753	2,940	910	110	12, 7	7, 888		
VI.—MALFORMATIONS	364	74	1, 352	0.9	105, 930	127	32	3, 103	0, 4	247, 585	85	26	3, 800	0, 4	272, 846		
VII.—ACCIDENTS AND INJURIES.	***************************************					· ·		- I contribute the said						t			
Total	22, 740	4, 619	22	59, 0	1,696	19, 181	4, 866	21	Gt.O	1, 639	11,743	3, 635	28	50. 6	1, 975		
Burns and scalds Lightning stroke. Explosions Drowning.	3, 391 202 200	689 49 50	145 9, 437 1, 697	8. 8 0. 5 0. 8	11, 371 190, 883 132, 960	4, 206 191	1, 082 48	2, 064 2, 064	13, 6 0, 6	7, 371 164, 625	2, 052 94	635 29	157 3, 436	8, 8 0, 4	11, 302 946, 729		
5. Sullocation 6. Exposure to cold 7. Neglect and exposure 8. Falls	4, 075 1, 257 36 344 2, 074	899 255 7 70 491	191 309 13, 674 1, 431 237	10. 6 3. 3 0. 1 0. 9 5. 4	9, 469 30, 075 1, 071, 066 112, 088 18, 591	3, 191 9, 199 139 169 1, 323	702 540 35 41 336	126 185 2, 835 2, 433 298	0, 0 6, 8 0, 4 0, 5 4, 2	10, 075 14, 769 226, 211 194, 095 23, 767	9,357 934 73	730 289 23	137 345 4, 425	10, 2 4, 0 0, 3	0, 840 24, 831 317, 697		
9. Falling bodies 10. Fractures 11. Gunshot wounds 12. Other wounds 13. Railroad accidents	712 665 971 1, 070 1, 582 365	145 135 197 217 321 74	691 740 507 460 311	1.8 1.7 2.5 2.8	54, 155 57, 983 39, 710 36, 036 24, 373	741 500	188 152	531 658	2, 4 1, 9	42, 434 52, 403	171	53	1, 889	0.7	135, 625		
14. Mining accidents 15. Injuries by machinery 16. Other injuries 17. Homicide 18. Suicide by gunshot 19. Suicide by cutting throat 20. Suicide by drowning	251 251 133 119	85 377 418 51 97	1, 349 1, 173 266 239 1, 961 3, 701 4, 137	0.9 1.1 4.8 5.3 0.7 0.3 0.3	105, 639 91, 806 20, 809 18, 745 153, 619 289, 913 324, 020	4, 469 989 119 82 71	1, 134 951 98 91 18 78	88 399 3, 519 4, 807 5, 551	14, 2 3, 1 0, 4 0, 3 0, 2	7, 036 31, 793 920, 744 383, 455 442, 864	5, 323 227	1, 648 70	61 1, 423	23, 0 1, 0	4, 357 102, 167		
21. Suicide by hanging 22. Suicide by poison 23. Suicide not specified 24. Execution	370 203 269 31	75 41 55 6	1, 330 2, 425 1, 830 15, 879	1, 0 0, 5 0, 7	104, 212 189, 943 143, 340 1, 243, 818	300 197 985 50	78 35 79 15	1, 288 2, 877 1, 383 6, 681	1. 0 0. 4 0. 9 0. 9	102, 756 229, 513 110, 327 532, 938	491 21	152	658 15, 382	2, 1 0, 1	47, 234 1, 104, 375		

DEATHS FROM CERTAIN PRINCIPAL DISEASES SEVERALLY AND IN GROUPS, WITH THE PROPORTION TO DEATHS FROM ALL CAUSES, AND TO POPULATION—BY STATES AND TERRITORIES—1870.

				CHOLERA	LINFA	NTUM.			CONS	UMPTIC	ON.		CROUP.					
		ľ					EI	<u> </u>	.g .s.	are	ä	\rightarrow		8	De l	8	43	
	STATES AND TERRITORIES.	Deaths from all causes.	Deaths from cholera infantum.	Deaths from cholera infantum in 100,000 deaths from all causes.	Deaths from all causes to one death from cholera infantum.	Deaths from cholera infantum in 100,000 living persons.	Living persons to one death from cholera infantum.	Deaths from consumption.	Deaths from consumption in 100,000 deaths from all causes.	Deaths from all causes to one death from consumption.	Deaths from consumption i 100,000 living persons.	Living persons to one death from consumption.	Deaths from croup.	Deaths from croup in 100,000 deaths from all causes.	Deaths from all causes to one death from croup.	Deaths from croup in 100,000 living persons.	Living persons to one death from croup.	
	The United States.	492, 263	90, 255	4, 115	A 3	à 53	1, 904	69, 806	14, 199	7.0	181	552	10, 692	2, 172	A6. 0	A 28	3, 606	
														~,	10.0		u, 000	
1 2	Alabama	10, 771 252	130	1, 207	82, 9 84, 0	13 31	7, 669	761	7,065 397	14. 2 252. 0	76 10	1,310	268	2, 488	40.2	27	3,720	
3	Arkansas	0, 119	39	1, 191 637	156, 9	8	3, 219 12, 422	431	7,043	14. 2	89	9,658 1,194	183	2, 981	33. 4	38	2, 647	
4	California	9, 025	227	2, 515	39. 7	41	2, 468	1, 246	13, 806	7. 2	222	450	141	1, 562	64, 0	25	3, 973	
5	Colorado	375	18	4, 800	20, 8	45	2, 215	32	8, 533	11.7	80	1, 246	14	. 3, 733	26.8	35	2, 847	
6	Connecticut	6, 796 101	379	5, 577	17.9	71	1,418	1,218	17, 922 12, 871	5, 6 7, 8	997 92	441 1,091	94	1, 383 3, 960	79. 3 25. 3	18 28	5, 718 3, 545	
8	Delaware	1,561	87	5, 573	17, 9	70	1, 437	296	18, 962	5. 3	237	499	42	2,691	37, 2	34	2, 977	
9	District of Columbia	2, 015	150	7, 444	13. 4	114	878	442	21, 936	4.6	336	298	61	3, 027	33, 0	46	2, 159	
10	Florida	2, 264	97	4, 285	23, 3	52	1, 936	131	5, 786	17. 3	69	1, 433	49	2, 164	46. 2	27	3, 832	
11	Georgia	13, 606	344	2, 528	39, 6	20	3, 442	875	6, 431	15, 6	75	1,353	356	2,617	38. 2	30	3, 326	
12 13	IdahoIllinois	50 33, 679	1,869	5, 551	18, 0	74	1, 359	5 3,641	10,000 10,813	10. 0 9. 2	33 143	3,000	886	0.001	99.0		0 007	
14	Indiana	17, 661	525	2, 973	33, 6	31	3, 201	2, 807	15, 894	6.3	167	698 599	478	2, 631 2, 707	38. 0 37. 0	35 28	2, 867 3, 516	
15	Iowa.	9, 597	441	4, 595	21.8	37	2,708	1, 313	13, 681	7. 3	110	909	163	1, 698	58. 9	14	7, 325	
16	Kansas	4, 546	199	4, 378	22. 8	55	1,831	413	9,085	11, 0	113	883	101	2, 222	45.2	28	3, 608	
17	Kentneky	14, 345	355	2, 475	40. 4	27	3, 721	2, 500	17, 428	5, 7	189	528	551	3, 841	26. 0	42	2, 398	
18	Louisiana	14, 499	297	2, 048	48, 8	41	2, 448	1, 409	9, 718	10.3	194	516	126	869	115. 1	17	5, 769	
19 20	Maine	7, 728 9, 740	179 604	2, 316	43. 2	29 77	3, 502	1,991	25, 598	3.9	318	315	59	764	131.0	9	10, 626	
21	Masachusetts	25, 859	1,685	6, 201 6, 516	16. 1 15. 3	116	1, 293 865	1, 678 5, 157	17, 228 19, 943	5, 8 5, 0	915 353	`465 283	272 500	2, 702 1, 034	35.8 51.7	35	2, 871 2, 915	
22	Michigan	11, 181	425	3, 801	26.3	36	2,786	1, 844	16, 492	6.0	156	642	150	1, 342	74. 5	13	7, 894	
23	Minnesota	3, 526	108	3, 063	32, 6	25	4, 071	459	13, 018	7. 7	104	958	70	1, 985	50. 3	16	6, 282	
24	Mississippi	9, 172	143	1, 559	64. 1	18	5, 790	695	7, 577	13. 2	84	1, 191	281	3, 064	32, 6	34	2, 946	
25	Missourl	27, 982	990	3, 538	28, 3	58	1, 739	2, 717	9, 710	10.3	158	634	719	2, 570	38. 9	42	2, 394	
26 27	Montana	185	6	3,243	30.8	- 29	3, 433	17	9,189	10.9	83	1,212	1	541	185.0	5	20, 595	
28	Nebraska Nevada	1,000 615	58 16	5, 800 2, 602	17. 2 38. 4	50 38	2, 021 2, 656	87 30	8, 700 4, 878	11, 5 20, 5	71 71	1, 414	21	2, 100	47.6	17	5, 857	
20	Now Hampshire	4, 291	139	3, 239	30.9	44	2, 290	953	22, 209	4.5	299	1, 416 334	8 30	1, 301 699	76, 9 143, 0	10	5, 311 10, 610	
30	New Jersey	10, 586	783	7, 397	13, 5	86	1, 157	1, 822	17, 211	5,8	209	479	215	2, 031	49. 2	24	4, 214	
31	New Mexico	1,180	116	9, 831	10.2	126	792	45	3,814	26, 2	40	2,042	36	3, 051	32, 8	39	2, 552	
32		69, 095	3, 577	5, 177	19. 3	82	1, 225	11, 578		6.0	264	379	1,134	1, 641	60, 9	26	3, 865	
33	North Carolina	10, 588	360	3, 400	29. 4	34	2,976	1, 236	11, 674	8, 6	115	867	285	2, 692	37. 2	27	3, 759	
34 35	Ohio Oregon	29, 568 622	1, 100	3, 751	26. 7	49	2, 403	5, 255	17, 773	5. G	197	507	500	1, 894	52, 8	21	4, 759	
36	Penusylvania	52, 630 .	2, 683	965 5,097	103. 7 19. 6	76	15, 154	7, 481	18,006 14,212	5. G 7. O	123	812 471	23	3, 698	27.0	28	3,953	
37		2,741	197	7, 187	13, 9	91	1,103	552	20, 139	5.0	254	394	1,088	1, 423	48. 4 70. 3	31 18	3, 237 5, 573	
38	South Carolina	7, 380	255	3, 455	28. 9	36	2, 767	657	8, 862	11. 2	93	1,074	108	1, 463	68, 3	15	6, 533	
39	Tennessee	14, 239	281	1,974	50.7	22	4, 479	2, 377	16,694	6.0	189	530	652	4, 579	21.8	52	1, 930	
40	Texas, east of the Colorado River.	9, 015	77	854	117. 1	12	8, 410	534	5, 924	16, 9	82	1,214	245	2, 718	36.8	38	2, 646	
41	Texas, west of the Colorado River.	2,182	30	1,767	55. 9	23	4, 367	146	6, 691	15.0	86	1,167	30	1,375	72.7	17	5,677	
42 43	Vermont	891 9 545	90	11, 111	9.0	114	877	63	7,071	14.1	73	1,378	12	1, 347	74, 3	14	7, 232	
44	Virginia	3, 545 15, 183	105 573	2, 962 3, 774	26.5	32 47	3, 148 2, 138	715 2,095	20, 169 13, 798	5, 0 7, 2	216	462	41	1, 157	86.5	12	8,062	
45	Washington	223	7	3, 139	31. 9	29	3, 422	35	15, 695	6, 4	147	585 • 684	292	1, 923 2, 691	52. 0 37. 2	24 25	4, 196 3, 993	
46	West Virginia	4,018	107	2, 663	37.6	24	4, 131	709	17, 646	5.7	161	623	138	3, 435	29.1	31	3, 203	
47	Wisconsin	9, 960	368	3, 695	27, 1	35	2, 866	1, 318	13, 233	7. 6	1	800	150	1, 506	66. 4	14	7, 031	
48	Wyoming	74			ļ	ļ		. 4	5, 405	18. 5	44	2, 280	10	1 '	7.4	110	912	
		<u> </u>	<u> </u>	1	<u> </u>	<u></u>	<u></u>	!!	<u> </u>	1.	1	<u> </u>	<u> </u>	<u></u>	1		<u>L</u> ,	

DEATHS FROM CERTAIN PRINCIPAL DISEASES SEVERALLY AND IN GROUPS, WITH THE PROPORTION TO DEATHS FROM ALL CAUSES, AND TO POPULATION—BY STATES AND TERRITORIES—1870.

	ноо	PING COL	JGH.			M	easles.				PN	EUMONIA			SMALL POX.					
Deaths from hooping cough.	Deaths from hooping cough in 100,000 deaths from all causes.	Deaths from all causes to one death from hooping cough.	Deaths from hooping cough in 100,000 living persons.	Living persons to one death from hooping cough.	Deaths from measles.	Deaths from measles in 100,000 deaths from all causes.	Deaths from all causes to one death from measles.	Deaths from measles in 100,000 living persons.	Living persons to one death from measles.	Deaths from pneumonia.	Deaths from pneumonia in 100,000 deaths from all causes.	Deaths from all causes to one death from pueunomia.	Deaths from pneumonia in 100,000 living persons.	Living persons to one death from pneumonia.	Deaths from small pox.	Deaths from small pox in 100,000 deaths from all euuses.	Deaths from all causes to one death from small pox.	Deaths from small pox in 100,000 living persons.	Living persons to one death from small pox.	
9, 008	1,830	54. 6	23	4, 280	0, 237	1,876	53. 3	24	4, 174	40, 019	8, 128	12. 3	104	964	4, 507	916	100. 2	19	8, 555	
133	1, 235	81.0	13	7, 496	403	3, 479	26.7	40	2, 474	1,505	13, 973	7. 2	151 435	663 930	. 20	186	538, 6	3	49, 850	- 1
219 134 6	3, 579 1, 485 1, 600	27. 9 67. 4 62. 5	45 94 15	2, 219 4, 181 6, 644	204 84 1	3, 334 931 267	30.0 107.4 375.0	49 15 3	2, 375 6, 670 30, 864	49 1,191 559 19	16, 667 19, 464 6, 194 5, 667	6. 0 5. 1 10. 1 10. 7	246 100 48	407 1, 002 2, 098	95 29 254 1	37, 698 474 2, 814 267	9, 7 911.0 35.5 375.0	080 6 45	108 16, 700 2, 206 39, 864	
83 1	1, 221 990	81, 9 101, 0	15 7	6, 475 14, 181	30	441	226, 5	6	17, 915	497 8	6, 283 7, 921	15. 9 12. 6	79 56	1, 259 1, 773	10	147	679. 6	:	53, 745	
49 49 7 99	2, 691 2, 684 309 676	37, 2 48, 0 323, 4 147, 9	34 32 4 8	2, 977 3, 136 26, 821 12, 871	33 21 23 270	2, 114 1, 042 1, 016 1, 984	47. 3 96. 0 98. 4 50. 4	26 12 12 23	3, 788 6, 271 8, 163 4, 386	126 123 271 1,363	8,072 6,104 11,970 10,018	12. 4 16. 4 8. 4 10. 0	104 93 144 115	992 1, 071 693 869	3 1 18	149 44 132	671. 7 2, 264. 0 755. 9	:: :: ::::::::::::::::::::::::::::::::	43, 900 187, 748 65, 784	1
640 449	1, 901	52, 6	95 97	3, 969	702	2, 085	48.0	28	3, 618	2, 882	2,000 8,559	50. 0 11. 7	7 114	14, 000 881	170	505	198. 1	7	14, 941	
337 124	2, 542 3, 512 2, 728	39, 3 28, 5 36, 7	. 97 98 34	3, 743 3, 543 2, 939	201 268 126	1, 138 2, 793 2, 772	87. 9 35. 8 30. 1	12 23 35	8, 361 4, 455 2, 892	1,514 678 599	8, 573 7, 065 13, 176	11. 7 14. 9 7. 6	90 57 164	1, 110 1, 761 608	94 40	340 250 860	204, 4 309, 9 113, 7	4 9 H	28, 011 49, 751 9, 110	
326 420 71	2, 273 2, 898 919	44, 0 34, 5 108, 8	95 58 11	4, 052 1, 731 8, 830	249 375 66	1, 736 2, 586 854	57. 0 38. 7 117. 1	19 59 11	5, 305 1, 938 9, 499	1, 364 1, 292 495	9,509 8,911 6,405	10. 5 11. 2 15. 6	103 178 79	969 563 1, 267	175 925 14	1, 220 6, 380 181	82. 0 15. 7 552. 0	13 197 2	7, 549 786 44, 780	;
281 361 244	2, 885 1, 396 2, 182	34, 7 71, 6 45, 8	36 25 21	9, 779 4, 037 4, 853	177 991 133	1, 817 1, 125 1, 190	55. 0 88. 0 84. 1	23 02 11	4, 412 5, 008 8, 903	742 1,696 .702	7, 618 6, 559 6, 279	13, 1 15, 2 15, 9	. 95 116 59	1, 052 859 1, 687	6 116 26	62 449 233	1, 623, 3 222, 9 430, 0	1 8 9	130, 149 12, 563 45, 541	1
103 159 484	2, 021 1, 734 1, 730	34. 2 57. 7 57. 8	23 19 28	4, 269 5, 207 3, 556	97 272 869	2, 751 2, 966 3, 100	36, 4 33, 7 32, 2	29 33 50	4, 533 3, 044 1, 081	177 1,177 2,800	5, 020 12, 833 10, 006	19. 9 7. 8 10. 0	40 142 163	2, 484 703 615	36 54 1,034	1, 091 589 3, 695	97, 9 169, 9 27, 1	8 7 60	19, 214 15, 332 1, 665	
37 6	3, 700 976	27, 0 102, 5	30 14	3, 324 7, 082	41	4, 100 488	24, 4 205, 0	33 7	3, 000 14, 164	88 50	1, 622 8, 800 8, 130	61.7 11.4 12.3	15 72 118	6, 865 1, 398 850	11 5 20	5, 946 500 4, 715	16, 8 200, 0 21, 2	53 41 68	1, 872 24, 599 1, 465	
25 181 28	583 1, 711 2, 373	171, 6 58, 5 49, 1	8 20 31	19, 732 5, 006 3, 281	51 166	1, 189 1, 568	84. 1 63, 8	16 18	6, 241 5, 458	364 700 63	8, 483 6, 613 5, 339	11. 8 15. 1 18. 7	114 77 69	875 1, 294 1, 458	29 29 36	47 208 3, 051	2, 145, 5 481, 2 32, 8	1 9 39	159, 150 41, 186 2, 552	
862 296 574	1, 248 2, 796 1, 941	80, 2 35, 8 51, 5	20 28 22	5, 084 3, 620 4, 643	1, 073 87 621	1, 553 822 2, 110	64, 4 191, 7 47, 6	24 8 23	4, 085 12, 315 4, 292	5, 262 741 1, 997	7, 616 0, 999 6, 754	13. 1 14. 3 14. 8	190 60 75	833 1, 446 1, 335	589 3 339	849 98 1, 193	118, 7 3, 529, 3 89, 1	13 0 13	7, 531 357, 120 8, 028	1
19 901 70	3, 055 1, 712 2, 554	32, 7 58, 4 39, 2	21 26 32	4, 785 3, 909 3, 105	9 554 32	399 1, 059 1, 168	311, 0 95, 0 85, 7	9 - 16 - 15	45, 462 6, 357 6, 792	30 2,773 169	4, 823 5, 268 6, 166	20, 7 19, 0 16, 2	33 79 78	3, 031 1, 270 1, 286	3 25 11	489 475 401	207. 3 2, 105. 6 240. 2	3 1 5	30, 308 140, 878 19, 760	
37 361 173	501 2, 535 1, 919	199, 5 39, 4 59, 1	5 29 27	19, 070 3, 486 3, 747	273 335 368	3, 698 2, 353 4, 082	27. 0 42. 5 24. 5	39 27	2, 585 3, 757 1, 762	709 1,298	9, 607 9, 116	10. 4 11. 0	101 103	995 9 7 0	3 94	41 660	2, 460. 0 15. 1	0	935, 202 13, 389	
34 2	1, 558 225	64. 2 445. 5	20 2	5, 009 43, 393	55 56	2, 591 6, 285	39, 7 15, 9	57 32 65	3, 097 1, 550	1,355 144 84	15, 031 6, 600 9, 428	0, 7 15, 9 10, 6	200 85 97	478 1, 183 1, 033	11 114 2	122 5, 225 224	819, 0 19, 1 445, 5	8 67 2	58, 935 1, 494 43, 393	
39 284 2	1, 100 1, 871 897	90, 9 53, 5 111, 5	12 23 8	8, 476 4, 314 11, 978	17 407	480 2,681	208, 5 37, 3	33 	19, 444 3, 010	925 1,452 5	6, 347 9, 563 2, 242	15, 8 10, 5 44, 6	110 112 113	1, 469 844 4, 791	1	113	886.3 15,183.0	0	82, 638, 1, 225, 163	- 1
108 211	2, 688 2, 119	37, 2 47, 2	24 20	4, 093 4, 098	49 159	1, 220 1, 526	82. 0 65, 5	11 14	9, 021 6, 939	258 487 2	6, 421 4, 890 2, 703	15, 6 20, 5 37, 0	58 46 29	1, 713 2, 166 4, 559	9 104	50 . 1, 044	2, 009, 0 95, 8	1 10	921, 007 10, 141	

DEATHS FROM CERTAIN PRINCIPAL DISEASES SEVERALLY AND IN GROUPS, WITH THE PROPORTION TO DEATHS FROM ALL CAUSES, AND TO POPULATION—BY STATES AND TERRITORIES—1870.

·																
۱ ۱				DIPHT	HERIA A	ND SCAR	LET FEV	ER.			INTERMI	TTENT A	ND REMI	PTENT FI	evers.	
	STATES AND TERRITORIES,	Deaths from all canses.	Deaths from diphtheria.	Deaths from scarlet fever.	Deaths from diphtheria and scarlet fever.	Deaths from diphtheria and scarlet fever in 100,000 deaths from all causes.	Deaths from all causes to one death from diphtheria and scarlet fever.	Deaths from diphtheria and scarlet fever in 100,000 living persons.	Living persons to one death from diphtheria and scarlet fover.	Deaths from intermittent fever.	Deaths from remittent fever.	Deaths from intermittent and remittent fevers.	Deaths from intermittent and remittent from interests in 100,000 deaths from all causes.	Deaths from all causes to one death from intermittent and remittent fevers.	Deaths from intermittent and remittent fevers in 100,000 living persons.	Living persons to one death from intermittent and remit- tent fevers.
	The United States	402, 203	6, 303	20, 320	26, 623	5, 408	18, 5	69	1,448	7, 142	4, 281	11, 423	2, 321	43, 1	30	3, 376
1	Alabama	10, 771	45	13	58	539	185.7	6	17, 190	408	346	754	7, 000	14. 3	70	1, 322
2 3	Arizona	252 6, 119	33	16	49	108	124.9	10	9,887	. 310	2 120	4 439	1,587 7,174	63. 0 13. 9	41 91	2,415
4	California	9, 025	255	479	734	8, 133	12.3	131	763	95	43	138	1,529	65. 4	25	4,060
5	Colorado	375	5	0	14	3, 733	26.8	35	2,847		4	4	1,067	93, 8	10	9, 966
6	Connecticut	6, 796 101	56 1	286 2	342	5, 032 2, 970	19, 9 33, 7	64 21	1,572 4,727	7	21 1	28 1	412 991	242, 7 101, 0	5 7	19, 195 14, 181
8	Delaware	1,561	36	58	94	6,022	16,6	75	1,330	13	10	23	1, 473	67. 9	18	5, 435
9	District of Columbia	2, 015	63	69	132	6, 551	15, 3	100	998	15	6	21	1,042	96. 0	16	6, 271
10 11	Florida	2, 264	8	10	18	795	125, 8	10	10, 430	130	84	214	0, 452	10, 6	114	877
12	Georgia	13, 606 50	61	12	73	537	186, 4	6	16, 221	405	300	705	5, 182	19. 3	60	1,680
13	Illinois	33, 672	603	2, 162	2, 765	8, 212	12.2	109	919	613	275	888	2, 637	37. 9	35	2,861
. 14	Indiana	17, 661	241	353	594	3, 363	29, 7	35	2, 829	390	131	521	2, 950	33. 9	31	3, 226
15 16	Iowa	9, 597 4, 546	148 46	325 354	473 400	4,929	20.3	40	2, 524 911	94	67	161	1,678	59. 6	14 66	7,416
17	Kentucky	14, 345	145	80	225	8,799 1,569	11.4 63.8	110 17	5,871	178 223	62 111	240 334	5, 279 2, 328	18. 9 43. 0	25	1,518 3,955
18	Louisiana	14, 499	66	68	134	024	108, 2	18	5, 425	637	199	836	5, 766	17. 3	115	870
19	Maino	7, 728	80	422	502	6, 496	15. 4	80	1, 249	27	12	39	505	198, 2	6	16, 075
20 21	Maryland	9, 740 25, 859	218 280	331 911	549 1,191	5, 637 4, 606	17. 7 21. 7	70 82	1,422 1,224	81 15	73	154 63	1, 581	63, 2	20	5, 071
22	Michigan	20, 655 11, 181	141	707	848	7, 584	13. 2	72	1,396	153	48 97	250	244 224	410. 5 44. 7	21	23, 133 4, 736
23	Minnesota	3, 526	63	238	301	8, 537	11,7	68	1,461	9	6	15	425	235, 1	34	29, 314
24	Mississippi	9, 172	46	24	70	763	131.0	9	11,827	377	256	633	6, 901	14. 5	77	1,308
25 26	Missouri	27, 982 185	356 1	1,049 1	1,405 2	5,021	19.9 92.5	82 10	1,225	799	253	1,052	3,760	26, 6	61	1,636
27	Nebraska	1,000	12	90	102	10, 200	9,8	83	10, 298 1, 206	11	5	16	1,600	62, 5	13	7, 687
28	Novada	615	9	141	150	24, 390	4.1	353	283	8	8	16	2, 602	38. 4	38	2, 050
29	New Hampshire	4, 201	51	96	147	3, 426	29, 2	46	2, 165	1	· 20	21	489	204. 3	7	15, 157
30 3 31	New Jersey	10, 586 1, 180	177 28	781 36	958 64	9, 050 5, 424	11.1 18.4	106 70	946 1,436	36	41 31	77 43	727 3, 644	137. 5 27. 4	47	11, 767 2, 137
32	New York	69, 095	804	3, 403	4,267	6, 176	16.2	1	1,027	124	312	436	631	158. 9	10	10,059
33	North Carolina	10, 588	145	14	159	1, 502	66.6	15	6, 738	204	241	445	4, 203	23. 8	42	2,408
34	Ohio	29, 568	474	559	1,026	3, 470	28.8	39	2,598	248	. 111	359	1, 214	82. 4	1.4	7, 494
35 36	Oregon	622 52, 639	34 702	16 5, 645	50 6,347	8, 039 12, 058	12.4 8.3	55 180	1,818 · 555	126	6 124	14 250	2, 251 475	44. 4 210. 6	15	6, 495 14, 088
37	Rhode Island	2,741	25	186	211	7, 697	13.0	97	1,030	2	5	7	255	391.6	3	31,050
38	South Carolina	7, 380	28	18	46	623	160.4	7	15, 339	226	141	367	4, 973	20.1	52	1,923
39	Tennessee	14, 239	96	29	125	878	113.9	99	10,068	366	205	571	4,010	24. 9	45	2, 204
40 41	Texas, east of the Colorado River Texas, west of the Colorado River	9, 015 2, 182	78 17	· 19	97 18	1, 076 825	92. 9 121. 2	15 11	6, 683 9, 462	476 120	246 81	722 201	8, 000 9, 212	12.5 10.9	111	898 847
42	Utah	891	6	36	42	ľ	21, 2	1	2,066	10	1	11	1, 235	81.0	13	7, 889
43	Vermont	3, 545	61	54	115	3, 244	30.8	35	2,874	3	10	13	367	272. 7	4	25, 427
44	Virginia	15, 183 223	239	43 8	282	.,	53.8	l	4, 345	131	120	251	1, 653	60.5	21	4, 881
45 46	Washington	1	60	157	21 217	9, 417 5, 401	10.6		1, 141 2, 037	1 18	1 9	27	897 672	111.5 148.8	8	11, 978 16, 371
47	Wisconsin	1 '	186	1, 016	1,202	1 '	8.3		1 .	30	26	1	562	177.9	5	18, 833
48	Wyoming	74	1		1 .	1 '	74. 0		l l		1	1		74.0	11	9, 118
	<u> 1</u>	<u> </u>	1	<u> </u>	<u> </u>			_!	1.	11	!	1	1			

DEATHS FROM CERTAIN PRINCIPAL DISEASES SEVERALLY AND IN GROUPS, WITH THE PRO-PORTION TO DEATHS FROM ALL CAUSES, AND TO POPULATION—BY STATES AND TER-RITORIES—1870.

c.	XCI	K OF T		AST, O		UTERI	S ₁ AND	СЕ	nenno-sr	'INAL,	ENTERIC,	AND T	rrpnus	FEVE	irs.		DIARR	ncea,	DYSENTE	RY, AND	enter	ITIB,		Ī
Deaths from cancer of the breast.	Desthe from concer of the utome	Deaths from other cancers.	Deaths from cancer of the breast, of the uterus, and other cancers.	Deaths from cancer of the breast, the uterus, and other cancers in 160,600 deaths from all causes.	Deaths from all causes to one death from cancer of the breast, of the uterus, and other cancers.	Deaths from cancer of the breast, the uterus, and other cancers, in 10,000 living persons.	Living persons to one death from cancer of the breast, of the uterus, and other cancers.	Deaths from cerebro-spinal fever.	Deaths from enteric fever.	Deaths from typhus fever.	Deaths from cerebro-spinal, enteric, and typins fevers.	Deaths from cerebro-spinal, enteric, and typins fevers in 160,000 deaths from all causes.	Deaths from all causes to one death from cerebro-spinal, enteric, and typhus fevers.	Deaths from cerebro-spinal, enteric, and typhus fevers in 100,000 living persons.		Deaths from diarrhoss.	Deaths from dysentery.	Deaths from enteritis.	Deaths from diarrhea, dysen- tery, and enteritis.	Deaths from diarrhea, dysentery, and enteritis in 100,000 deaths from all causes.	Deaths from all causes to one death from diarrhoea, dysentery, and enteritis.	Deaths from diarrhea, dysen- kery, and enteritis in 100,000 aving persons.	Living persons to one death from diarrhea, dysentery, and enteritis.	
630	51	5, 084	6, 224	1, 264	79. 1	16	6, 195	651	22, 187	1, 770	24, 608	4, 999	20.0	64	1, 567	14, 195	7, 912	9, 046	31, 153	6, 329	15.8	81	1, 238	
10		8 69	87	808	123, 8	9	11,460	20	409 11	9	440 12	4, 850 4, 762	24.5 21.0	44 124	2, 266 805	335 5	203 5	199	667 11	6, 193	16. 9	67	1, 495	1 2
1		25	30	490	204. 0	6	16, 149	3	237	7	247	1, 037	24.8	51	1, 961	173	39	94	306	4, 365 5, 001	23. 0 20. 0	63	878 1, 583	3
4	1 13		1	964 008	103, 7 125, 0	15	6, 440 13, 288	6	392 11	51 5	449 16	4, 975 4, 267	20. 1 23. 4	80 40	1, 248 2, 402	131 8	91	920 26	442 41	4, 898 10, 933	20. 4 9. 1	79 -103	1, 268 972	4 5
10	- 1	3 139	157	2, 310	43, 3	29	3, 423	Ω	414	10		0, 842	14.6	87	i; 156	72	116	72	260	3, 826	26. 1	48	2,067	G
;		15	1	990 1, 153	101. 0 86. 7	14	14, 181 6, 945		9 91	ນ 1	4 92	3, 960 5, 894	25. 3 17. 0	28 74	3, 545 1, 359	5 31	3 20	1 16	9 67	8, 911	11, 2	64 54	1, 576	7
3	- 1		1	596	167, 9	9	10, 975	1	69	1	64	3, 176	31.5	49	2, 058	80	31	26	137	4, 202 6, 799	23. 3 14. 7	104	1, 800 961	8
10	- 1	- 1		707 963	141, 5 13, 9	9 11	11, 734 9, 039	145	107 711	1 20	108 915	4, 770 6, 725	21.0	58	1, 738	64	40	59	156	6, 891	14.5	83	1, 204	10
	.	1	1	2,000	50.0	7	14, 999						14.9	77	1, 204	448	327	239 1	1,014	7, 453 4, 000	13. 4 25. 0	86 13	1, 168 7, 500	111
37 20	- 1		i	843 951	118, 6 105, 1	11 10	8,943 10,004	43 75	1,758	131	1,939	5, 738 7, 225	17.4	76	1, 315	1, 284	664	603	9, 551	7, 576	13. 2	100	996	13
127	1	1		907	110. 3	7	13, 724	6	1,029 521	179 45	1, 276 572	5, 960	13, 8 16, 8	76 48	1, 317 2, 087	664 339	101 228	386 238	1, 941 805	7, 027 8, 388	14. 2 11. 9	74 67	1, 354 1, 483	14 15
4	- 1			484	206, 6	6	16, 564	4	204	20	228	5, 015	19, 9	63	1, 598	171	59	89	319	7, 017	14.3	88	1, 143	1.6
13	- 1			041 1, 035	106. 3 96. 7	10 21	9, 785 4, 846	41 23	661 449	35 50	737 522	5, 138. 3, 600	10.5 27.8	56 79	1, 792 1, 303	357 500	336	202 204	860 1,130	5, 995 7, 856	16. 7 19. 7	65 16	1,530 6,382	17 18
7	- 1			2, 407	41. 5	30	3, 371	1	608	32	641	8, 295	19.1	102	978	103	50	116	269	3, 481	28. 7	43	2, 331	19
30	1			1, 204 2, 057	77. 3 48. 6	16 37	6, 198 2, 739	1 8	434 1,142	82 33	517 1, 183	5, 308 4, 575	18.8 21.0	81.	1, 510 1, 239	357 406	107 497	87 281	411 1, 114	4, 220 4, 308	23. 7	53 77	1,900 1,308	20 21
13			1	1, 297	77. 1	12	8, 166	8	606	37	71.1	6, 359	15. 7	60	1, 665	363	258	240	861	7, 701	13. 0	73	1, 375	ยม
0				993 676	100. 7 147. 9	8	19, 563 13, 354	1 6	936 333	31 6	208 345	7, 601 3, 761	13.9 26.6	61 42	1, 641 2, 400	110 325	103	83 237	279 665	7, 913 7, 250	19.6 13.8	64 80	1, 576 1, 245	23 24
18	-	1 .		622	160.8	10	0, 893	15	1, 395	60	1, 470	5, 253	19.0	85	1, 171	1,300	503	467	2, 270	8, 112	12.3	132	758	25
1	-	3	4	400	250, 0	3	30, 748	1	9 511	3	9 50	4, 865 5, 600	20. 6 17. 9	44 46	2, 288	9 20	1 12	3 25	13 63	7, 027 6, 300	14. 2	63 51	1, 584 1, 959	26 27
] 1	1	163	615. 0	ລ	42, 491		14			2, 276	43.9	33	2, 196 3, 035	5	2	19	26	4, 228	15. 9 23. 7	61	1, 634	28
8	4		1	2, 773 1, 323	36. 1 75. 6	37 16	2,675	1 3	302	4	307	7, 155	14,0	96	1, 037	49	171	57	177	4, 125	24. 2	50	1, 798	20
		ł	1	1, 441	69, 4	19	6, 472 5, 404		936 : 90	18 11	357 101	3, 372 8, 569	20.7 11.7	39 110	2, 538 910	141 21	179 29	232 30	559 80	5, 214 6, 760	19. 2 14. 8	61 87	t, 641 t, 148	30
149	1		1 '	1,692	50, 1	27	3, 749	61	2, 020	309	2, 450	3, 559	28, 0	56	1,782	2, 243	1,068	1, 330	4, 641	6, 717	14. 9	106	944	32
10				1,086 1,437	92, 1 69, 6	11 16	9, 316 6, 271	7.1	862 1, 280	19 80	1, 434	8, 359 4, 850	12, 0 20, 6		1, 211 1, 859	418 794	135 461	175 629	728 1,884	6, 876 6, 372	14. 5 15. 7	68 71	1, 472 1, 415	33 34
1		. 1	2	322	311.0	2	45, 462	1	52	ລ	55	8, 842	11,3	61	1, 653	6	6	9	21	3, 376	29. 6	23	4, 330	35
66		640		1, 457 2, 116	68. 6 47. 3	22 27	4, 502 3, 747	18	1,898 88	. 262 2	2, 178 90	4, 138 3, 284	24. 2 30. 5		1, 617 2, 415	953 27	684 59	996 30	9, 633 116	5, 002 4, 232	20. 0 23. 6	75 53	1, 338 1, 874	36 37
7	11	43	61	827	121, 0	9	11, 567	8	515	41	564	7, 642	13.1	80	1, 251	278	147	112	537	7, 276	13. 7	76	1, 314	38
5			1	1,025 599	90. 7 166. 9	12 8	8, 620 12, 005	38	687 377	36 7		5, 120 4, 681	19. 5 21. I		1, 726 1, 536	445 303	70 81	226 171	750 555	5, 267 6, 157	19, 0 16, 2	60 86	1, 678 1, 168	39 40
5		. 9	12	550	181. 9	8	14, 193	1	87	9	97	4, 446	22, 5		1,756	36	12	28	76	3, 463	28.7		2, 241	41
6		91	1	225 2,703	445, 5 35, 8	2 30	43, 393 3, 339	g	94 991	3		3, 030 6, 375	33, 0 15, 7		3, 214 · 1, 463	46 35	4 103	59 59	102 197	11, 448 5, 557	8,7 18,0	118 60	851 1, 678	49 43
31	1			1, 146	87. 3	14	7,041		676	7		4, 499	22, 2		1, 794	494	203	230	1, 026	6, 758	14.8	84	1, 194	44
1 6	1	. 34	1	2, 242 996	44. 6 101. 0	21 9	4, 791 11, 050	16	13	ນ ນ		6, 727 4, 604	14.9		1,597	100	9 55	4	6	2, 691	37.2		3, 993	45
18				1,606	60, 4	16	6, 392	5	167 464	31		4, 604 5, 020	21. 7 19. 9		2, 389 2, 100	128 296	55 265	50 260	233 841	5, 799 8, 444	17. Q 11. 8	53 80	1, 897 1, 254	46 47
		· ····	-						1	•••••		1, 351	74.0		9, 118	· · · · · · · · ·		• • • • • • •	••••••			• • • • • •		48

TABLE I.

MORTALITY OF THE UNITED STATES,

(BY STATES AND TERRITORIES,)

WITH

DISTINCTION OF SEX AND PERCENTAGE OF DEATHS TO POPULATION

AT THE

CENSUSES OF 1870, 1860, AND 1850.

TABLE I.—DEATHS, BY STATES AND TERRITORIES, WITH DISTINCTION OF SEX-1870-1850.

•		J	870.	4		The said of the sa]	1860.	The comment of the control of the co			CONTRACTOR	(S50:		And the second second second
STATES AND			DEATHS.		f deaths ion.			DEATUS.		f deaths ion.		,	t DEATHS	•	deaths
TERRITORIES.	Population.	Total.	Males.	Females.	Percentage of deaths to population.	Population.	Total .	Males.	Females.	Percentage of deaths to population.	Population.	Total	Males.	Females.	Percentage of deaths to population.
United States	38, 555, 983	492, 263	260, 673	231, 590	1. 28	31, 443, 321	394, 153	207, 943	186, 210	1, 25	23, 191, 876	323, 098	172, 844	159, 076	1, 39
Alabama	096, 992	10, 771 252	5, 637 168	5, 134 84	1, 08 2, 61	964, 201	12, 760	6, 753	6, 007	1, 32	771,623	9, 091	4, 813	4, 279	1. 18
Arizona	9, 658 484, 471	6, 119	3, 202	2,917	1, 26	435, 450	8, 856	4, 735	4, 121	2,03	209, 807	3, 021	1, 654	1, 367	1, 44
California	560,247	9, 025	5, 687	3, 338	1, 61	379, 994	3, 705	2, 473	1, 232	0.08	02, 507	905	794	111	0.98
Colorado	39, 864	375	232	143	0. 94	34, 277	(b)								
Connecticut	537, 454	6, 796	3, 550	3, 246	1, 26	460, 147	6, 139	3, 168	2, 971	1, 33	370, 799	5, 781	2, 924	2, 857	1.56
Dakota	14, 181	101	69	33	0, 71	4, 837	4	3	1	0.08	 .				
Delaware	125, 015	1, 561	827	734	1.25	112, 216	1, 246	618	628	1.11	91,539	1, 209	644	565	1.39
District of Columbia	131, 700	2,015	1, 065	950	1, 53	75, 080	1, 285	095	500	1.71	51, 687	846	427	419	1.64
Florida	187, 748	2, 264	1, 225	1,039	1, 21	140, 424	1, 769	979	790	1.26	87, 445	031	507	494	1.06
Georgia	1, 184, 109	13,606	6, 990	0, 616	1, 15	1, 057, 286	19, 816	6, 654	6, 162	1, 21	906, 185	9, 925	5, 176	4, 749	1.10
Idaho	14, 999	50	39	11	0. 33		10,000	10 000	0.000	4 20	DP1 480	.11 870	0.000	M 000	1 00
Illinois	2, 539, 891	33, 672	18, 141 9, 208	15, 531	1, 33 1, 05	1,711,951	19, 300	10, 368	8, 932	1.13	851, 470 988, 410	e11, 759 12, 708	6, 330	5, 203 5, 820	1, 38 1, 20
Iowa	1, 680, 637 1, 191, 792	17, 661 9, 597	5, 117	8, 453 4, 480	0.8t	1,350,428 674,913	15, 326 7, 259	7, 855 3, 875	7, 471 3, 384	1.08	192, 214	2,044	1, 140	904	1,00
Kansas	364, 399	4,546	2, 433	2, 113	1, 25	107, 206	1, 567	870	697	1.46	1,75, 511	2,011	1, 140		1100
Kentucky	1, 321, 011	14, 345	7, 394	6,951	1.09	1, 155, 684	16, 467	8,614	7, 856	1.40	982, 405	15, 033	7, 983	7,050	1, 53
Louisiana	726, 915	14, 499	8, 212	6, 287	2, 00	708, 002	12, 324	7, 250	5, 074	1.74	517, 769	1	7, 351	4, 605	2.31
Maino	626, 915	7,728	3, 993	3, 735	1, 23	628, 279	7, 614	3, 785	3, 829	1.21	583, 169	7, 584	3, 832	3, 769	1.30
Maryland	780, 894	9, 740	5, 085	4, 655	1, 24	687, 049	7, 374	3, 831	3, 543	1.07	583, 034	9, 621	5, 127	4, 494	1.65
Masachusetts	1, 457, 951	25, 859	12, 894	12, 965	1, 77	1,231,066	21, 304	10, 683	10, 621	1, 73	994, 514	19, 404	9, 978	9, 426	1, 95
Michigan	1, 184, 059	11, 181	5, 771	5, 410	0, 94	749, 113	7, 401	3, 991	3, 480	0, 99	397, 654	1	2, 493	2, 093	1.14
Minnesota	439, 706	3, 526	1, 949	1,577	0, 80	172, 023	1, 109	594	515	0, 64	6, 077	1	19	10	0.48
Mississippi	827, 922	9, 172	4, 788	4, 384	1, 11	701, 305	12, 214	6, 485	5, 780	1,54	606, 526	8, 721	4, 629	4, 092	1,44
Missouri	1, 721, 295	27, 982	15, 762	12, 220	1, 63	1, 182, 012	17, 654	0, 585	8, 069	1,50	682, 044	19, 292	6, 854	5, 408	1.80
Montana	20, 595	185	137	48	0,00				100	1.00					
Nebraska	122, 993	1,000 615	545 423	455 192	0, 81 1, 45	28, 841 6, 857	381	201	1.80	1.32					
Now Hampshire	42, 491 318, 300	4,291	2, 092	2, 199	1, 35	326,073	(b) 4, 469	2, 186	2, 283	1, 37	317, 976	4, 231	2, 038	2, 193	1.33
New Jersey	900, 000	10, 586	5, 716	4,870	1, 17	672, 035	7, 525	4, 024	3, 501	1, 12	489, 555	6, 465	3, 513	2, 952	1, 32
New Mexico	91, 874	1, 180	623	557	1, 28	93, 516	1, 305	730	569	1, 40	61, 547	1, 157	580	577	1.88
New York	4, 382, 759	69, 095	36, 740	32, 355	1,58	3, 880, 735	46, 941	25, 128	21, 813	1, 21	3, 097, 394	45, 600	24, 446	21, 154	1.47
North Carolina	1,071,361	10,588	5, 142	5, 446	0, 98	992, 622	12, 617	6, 275	6, 342	1, 27	869, 039	10, 165	5, 227	4,938	1. 17
Ohio	2, 665, 260	29, 568	15, 724	13, 844	1, 11	2, 339, 511	24, 726	19, 890	11,836	1,00	1, 980, 329	28, 957	15, 818	13, 139	1.46
Oregon	90, 923	622	337	285	0, 69	52, 465	300	156	144	0, 57	13, 294	47	32	15	0.35
Pennsylvania	3, 521, 791	52, 639	27, 961	24, 678	1, 49	2, 906, 215	30, 241	16, 249	13, 992	1,04	2, 311, 786	28, 551	15, 532	13, 019	1.23
Rhodo Island	217, 353	2,741	1, 423	1,318	1, 26	174, 620	2, 479	1, 272	1,207	1, 49	147, 545	2,241	1, 163	1,078	1.52
South Carolina	705, 606	7, 380	3, 757	3, 623	1, 05	703, 708	9, 749	4,961	4,788	1, 39	668, 507	8, 047	4, 208	3, 839	1.20
Tennessee	1, 258, 520	14,239	6, 963	7, 276	1, 13	1, 109, 801	15, 156	7,758	7, 398	1, 37 1, 55	1,002,717 912,593	d3, 057	6, 179 1, 641	5, 696 1, 368	1, 44
TexasUtalı	818, 570 86, 786	11, 197	6, 254 452	4, 943 439	1, 37 1, 03	604, 215 40, 273	9, 377 374	5, 122 215	4, 255 159	0, 93	11, 380	239	131	108	2, 10
Vermont	330, 551	3, 545	1,804	1,741	1,03	315, 098	3, 355	1, 647	1,708	1,06	314, 120	3, 129	1,534	1,595	1.00
Virginia	1, 225, 163	15, 183	7, 552	7, 631	1.94	1, 596, 318	22, 474	11, 472	11,002	1.41	1, 421, 661	19,059	9, 735	9, 324	1,34
Washington	23, 955	223	131	92	0. 93	11, 594	50	27	23	0, 43				[
West Virginia	442,014	4,018	2, 061	1, 957	0. 91				[
Wisconsin	1, 054, 670	9, 960	5, 339	4,621	0.94	775, 881	7, 141	3, 893	3, 248	0, 92	305, 391	2,903	1, 575	1, 328	0. 95
Wyoming	9, 118	74	50	15	0, 81									:	

⁽a) In Tables I, II, III, IV, and V, of the Mortality Statistics of the Seventh Census, Ex. Doc. 98, 23d Cong., 2d Sess., the aggregate number of deaths is given as 323,023. On page 44 of the same volume, the number is given as 323,272. On page xli. of the quarte volume of the Seventh Census, the aggregate number of deaths is given as 324,394. The number here given (323,098) is taken from Table VI, page 20 of the Mortality Statistics, and has been found to agree with the aggregates as given in the detailed statements by States and districts in that volume, on pages 49 to 301 inclusive.

(b) No deaths reported.

(c) Including 130 whites, whose sex was not reported.

(d) Including 48 whites, whose sex was not reported.

TABLE II.

MORTALITY OF THE UNITED STATES,

(BY STATES AND TERRITORIES,)

TUTTIT

DISTINCTION OF SEX AND AGE,

DURING

THE CENSUS YEAR ENDED JUNE 1, 1870.

MORTALITY OF THE UNITED STATES.

TABLE II.—DEATHS BY STATES AND TERRITORIES—SEX AND AGE—1870.

United States 49293 260673 688 60876 23075 12577 7636 5341 109505 13714 8186 9521 12539 10736 9450 10205 9569 9551 9522 7833 9061 8172 7887 54 Alabama 19771 5637 4 1215 428 290 175 115 2923 330 270 327 344 291 204 203 181 180 221 164 211 158 141 Arizona 252 168 12 12 12 8 6 2 40 13 3 2 16 25 26 19 8 6 6 3 3 Arkansas 6119 3232 744 234 155 121 69 1323 108 154 220 212 136 119 142 122 117 114 81 101 60 41	90 89 23 39 21
United States 499203 260673 688 60876 23075 12577 7636 5341 109505 13714 8180 9521 12539 10736 9456 10205 9550 9551 9522 7833 9061 8172 7887 55 Alabama 10771 5637 4 1215 428 290 175 115 2223 330 270 327 344 221 204 203 181 180 221 164 211 158 141 Arizona 252 108 12 12 12 8 6 2 40 13 3 2 16 25 26 19 8 6 6 6 3 Arkanana 6119 3232 744 234 155 121 69 1323 108 154 220 212 136 119 142 122 117 114 81 101 60 41	
United States 492203 260673 688 60876 23075 12577 7636 5341 109505 13714 8180 9521 12539 10736 9456 10205 9550 9551 9522 7833 9061 8172 7887 55 Alabama 10771 5637 4 1215 428 290 175 115 2223 330 270 327 344 221 204 203 181 180 221 164 211 158 141 Arizona 252 168 12 12 12 8 6 2 40 13 3 2 16 25 26 19 8 6 6 6 3 Arkanasa 6119 3232 744 234 155 121 69 1333 108 154 220 212 136 119 142 122 117 114 81 101 60 41	
United States 492203 260673 688 60876 23075 12577 7636 5341 109505 13714 8180 9521 12539 10736 9456 10205 9550 9551 9522 7833 9061 8172 7887 55 Alabama 10771 5637 4 1215 428 290 175 115 2223 330 270 327 344 221 204 203 181 180 221 164 211 158 141 Arizona 252 168 12 12 12 8 6 2 40 13 3 2 16 25 26 19 8 6 6 6 3 Arkanasa 6119 3232 744 234 155 121 69 1333 108 154 220 212 136 119 142 122 117 114 81 101 60 41	
United States 492203 260673 688 60876 23075 12577 7636 5341 109505 13714 8180 9521 12539 10736 9456 10205 9550 9551 9522 7833 9061 8172 7887 55 Alabama 10771 5637 4 1215 428 290 175 115 2223 330 270 327 344 221 204 203 181 180 221 164 211 158 141 Arizona 252 168 12 12 12 8 6 2 40 13 3 2 16 25 26 19 8 6 6 6 3 Arkanasa 6119 3232 744 234 155 121 69 1333 108 154 220 212 136 119 142 122 117 114 81 101 60 41	987 4830 2205 941 545 90 82 23 30 24 1
Alabama. 10771 5637 4 1215 428 290 175 115 2223 330 270 327 344 221 204 203 181 180 221 164 211 158 141 Arizona. 252 108 12 12 8 6 2 40 13 3 2 16 25 26 19 8 6 6 6 Arkausas. 6119 3232 744 234 135 121 60 1333 108 154 220 212 136 119 142 122 117 114 81 101 60 41	90 89 23 39 21
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	20 21 4 7
California 9325 5057 113 1003 355 202 155 145 165 502 115 155 60 4 6 9 1	3 1 1
Colorado 375 232 28 55 10 3 8 7 60 7 2 1 12 150 195 149 150 179 170 176 908	171 123 78 91 13
Connecticut 6790 3550 1 595 210 100 65 60 100 100 100 100 100 100 100 100 100	111 120 10 21
Dakota	24 15 6 3
DOREWING 1901 024 21 21 21 20 24 21 21	14 12 8 2 3
District of Columnia . 2013 1003 6 242 131 60 31 21 20 31 21 20 31 21 20 31 21 20 31 21 21 20 31 21 21 21 21 21 21 21 21 21 21 21 21 21	16 6 6 3
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1111018 330/2 18141 10 3000 2043 907 303 130 3111 1103 333 302 303 304 004 004 004 004 004 004 004 004	202 155 59 21 1
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ALBERTS 4940 2450 3 000 ACC 440 31 00 100 100 000 000 000 000 000 000	136 138 60 95 9
Kentucky	89 79 91 93 3
Maine	208 176 106 37
Maryland 9742) 5085 36 1110 509 274 163 116 2172 276 153 153 230 190 153 173 158 206 186 187 192 169 173	117 87 38 19
Massachusotts 25850 12894 15 2867 1012 487 277 201 4844 525 286 413 642 617 543 519 438 505 491 453 542 494 536	421 386 156 49
Michigan 11181 5771 4 1437 465 300 158 115 2475 316 174 218 244 213 165 200 186 170 230 206 199 209 228	167 109 43 15
Minnosota 3526 1949 471 168 101 71 48 859 138 74 92 86 94 57 81 74 73 59 42 47 48 53	39 20 7 4
Mississippi	68 54 13 16 3
Missouri 27082 15762 34 4165 1687 870 557 393 7672 073 506 609 732 642 556 618 591 582 523 423 407 315 236	160 98 47 20 5
Montana	
Nobraska	5 1
Novada 615 423 4 53 30 29 23 13 148 26 10 4 20 45 36 51 23 18 16 5 5 3 4	[····[···[···[···
New Hampshire 4991 2092 2 246 123 60 34 25 488 62 44 78 121 81 64 63 57 69 89 88 112 148 153	1 (1 1 1
New Jersey 10580 5716 33 1378 558 299 200 123 2558 308 133 137 223 210 166 213 193 215 189 180 207 228 189	1 1 1 1 1
'New Mexico 1180 623 3 173 43 31 19 20 286 38 17 24 24 26 26 27 16 20 24 15 23 11 11	
New York 60005 36740 47 8464 3319 1649 1026 665 15123 1606 792 991 1539 1585 1460 1531 476 1574 1378 1196 1344 1392 1228	11111
North Carolina 10588 5142 1101 507 268 117 87 2080 265 223 274 276 146 128 160 130 156 200 144 208 193 173	4
Ohio	1 -10 01 1
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orado River) 9015 4990 5 1159 384 234 165 119 2061 328 277 243 339 207 199 204 201 193 197 143 155 84 60	1 38 99 15
Texas, (west of Col-	
orado River) 2182 1264 5 274 53 41 39 20 427 84 57 65 104 62 61 56 45 61 50 44 45 35 2	1 17 10 7 1
Utah	9 2 2 1
Vermont 3545 1804 1 321 104 50 38 24 537 71 31 67 74 65 53 39 56 65 59 70 97 105 133	2 106 92 56 25
	7 188 196 80 41
Washington 993 131 18 4 6 4 2 34 13 9 3 8 8 7 17 10 7 9 3 6	1 1 2
West Virginia 4018 2061 1 512 162 105 54 37 870 119 72 94 101 63 67 66 51 44 63 56 80 65 7	7 62 59 25 11
	6 108 90 40 15
Wyoming 74 59 G 4 2 9 1 9 2 9 12 12 6 6 9 1 1	
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TABLE II.—DEATHS BY STATES AND TERRITORIES—SEX AND AGE—1870.

									,		SEX	CAND	AGE	FE	ALE.												,	
STATES AND TERRITORIES.	Aggregate.	Total.	Unknown.	Under 1.	1.,	2.	3.	4.	Total under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	S0 to 85.	85 to 90.	90 to 95.	95 and over.
United States	102263	231590	332	49569	20588	11367	7256	1928	93708	12615	7703	10741	13449	11786	10072	9885	8267	6584	6601	5413	0822	6287	0732	5615	4762	2322	1042	762
Alabama Arizona Arizona Arkansas California Colorado Connecticut Dakota Delaware District of Columbia Florida Georgia Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska New Hampshire New Jorsey New Mexico	10771 252 6119 9025 375 6796 101 1561 1900 50 33672 17661 9597 4540 14345 14499 97940 25850 91181 3526 9172 27082 186 1000 615 4291 1000 615 4291 1000 615 4291	5134 84 9017 33388 143 3246 32 950 6616 11 15531 8433 4480 2113 6054, 73735 4655 5410 15777 4374 112220 48 455 1199 9109 4870 9101	1 2 59 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	997 18 594 824 42 590 9 9 140 13 1449 1621 1522 1621 1523 1131 941 970 2825 9 116 282 9 116 9 116 9 9 117 9 9 9 9 117 9 9 9 9 9 9 9 9 9 9	3777 7 7 914 332 11 168 5 79 111 64 595 2 1848 816 494 923 1558 476 161 172 352 1396 3 3 81 26 94 473 39	255 5 134 203 4 203 20 20 20 20 20 20 20 20 20 20 20 20 20	1692 5 94 1311 6 6 5 7 2 90 5 113 2 16 144 2 90 175 135 4 0 8 5 2 4 0 8 5 2 1 4 1 2 1 6 2 1 7 5 3 1 8 4 0 8 5 1 1 8 5 1 8	116 8 60 102 6 37 1 13 33 39 129 , 354 174 86 62 98 110 125 37 90 349 , 7 14 28 130 125 174	1007 43 1096 1098 60 874 199 987 441 4383 2056 5 7886 8446 1092 2738 2052 4351 1045 719 1750 1750 1947 105	305 23 194 206 11 130 3 5 35 43 396 404 494 251 166 241 468 256 693 1 1 37 22 86 81 267 39	245 1 173 118 4 110 20 20 73 289 501 270 150 275 215 162 316 209 64 177 458 	200 2 180 117 8 137 1 1 355 55 55 380 2 20 667 440 220 554 250 250 250 278 250 561 250 578 217 554 217 554 217 554 217 554 217 554 217 554 217 555 555 555 555 555 555 555 555 555 5	398 33 946 1711 9 176 3 59 455 67 460 1 139 456 382 253 253 2744 342 76 303 743 4 1 17 3 17 3	300 33 203 102 10 175 1 1 288 51 714 483 217 109 300 246 582 6 6 14 12 106 102 102 102 103 103 104 105 105 105 105 105 105 105 105 105 105	240 4 175 1822 9 151 1 1 377 45 313 313 1 099 391 184 94 94 187 572 254 68 924 537 61 16 84 173 23	240 3 144 173 5 167 36 36 36 258 223 330 177 180 575 241 90 209 502 3 26 93 191 93	197 131 127 5107 151 32 42 210 480 208 159 76 298 251 113 518 180 52 158 376 1 177 4 65 166 28	175 69 98 111 18 92 166 1 345 345 114 42 914 186 110 144 417 130 987 6 67 134 9	128 1 1 76 71 4 9 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	102 11 52 37 2 114 17 30 18 117 270 182 40 163 100 119 119 364 125 18 82 235 105 5	1455 432 9125 4125 91125 91128 9129 9137 180 9141 159 98 120 955 1034 148 199	115 35 34 11 159 199 18 125 306 239 11 168 102 1453 71 230 71 133 1566 3	1122 29 24 1 1 163 17 25 176 251 261 106 25 1162 1163 582 131 68 191 6 131 181	74 91 10 92 138 149 164 85 189 164 85 189 195 100 511 124 92 40 154 136 137 11	155 115 155 144 155 169 178 134 53 60 173 60 98 125 57 98 113 130 140 173 173 174 175 175 175 175 175 175 175 175 175 175	91 90 55 98 98 97 45 47 93 47 93 108 47 920 44 40 30 43 45 51 51	93 44 11 45 5 11 38 5 19 19 23 33 39 28 81 7 9 16 16 16 24 33	29 5 4 15 5 7 53 6 12 5 30 92 38 6 9 18 12 14 5 9
New Mexico New York North Carolina Ohio Oregon Pennsylvania Rhode Island South Carolina Tennessee Texas, (east of Colorado River) Texas, (west of Colorado River) Utah Vermont Virginia Washington West Virginia Wisconsin Wyoming	1150 69095 10588 29568 622 52630 2741 7380 14239 9015 2182 891 3545 15183 223 4018 9960 74	32355 5446 13844 285 24678 1318 3623 7276 4025 918 439 1741 7631 92 1957 4621	10 1 20 133 1 4	7038 930 9057 53 5476 967 603 1455 914 923 132 909 1575 97	39 2951: 422 1191 223 2253 257 257 291 59 84 81 624 7 157 462 *5	1450 256 625 17 1347 56 160 322 188 50 36 41 406 5	880 131 400 14 940 35 119 180 157 34 18 30 199	699 94 268 7 646 99 67 100 92 87 0 29 143 8	938 12948 5441 1049 10692 1236 1236 2623 1649 279 279 274 51 745	1388 244 648 23 1505 58 109 357 324 74 32 72 328 7 98	745 193 394 19 714 37 159 343 207 36 12 68 201 4	1197 311 678 15 855 70 202 482	25 1677 383 750 69 228 577 282 68 13 95 471 6 1280 220	211 1586 275 738 17 1099 54 181 461 238 46 15 88 305 8	1349 256 551 16 891 44 159 391 915 59 12 65 330 2	1478 937 569 7 841 42 149 326 203 44 16 73 309 3 82	1252 937 483 11 804 45 167 268 135 30 13 58 263 3 65	1107 183 308 14 622 41 126 208 76 208 75 77 202 	1081 193 980 6 040 30 124 209 97 24 4 56 244 2	125 365 6 506 30 90 120 50 15 162 162	1110 910 491 8 707 51 141 184 85 18 4 80 278	448 	193 492 1 1925 107 109 53 41 104 266	1015 127 436 3 734 61 77 140 32 3 7 126 183	738 145 322 591 41 68 114 25 6 5 99 188	395 60 168 316 38 25 63 0 4 49 87	176 43 47 133 14 20 21 8	78 46 31 76 7 39 40 9 21 10 55

TABLE III.

MORTALITY OF THE UNITED STATES,

(BY STATES AND TERRITORIES,)

WITH

DISTINCTION OF SEX AND MONTH OF DEATH,

DURING

THE CENSUS YEAR ENDED JUNE 1, 1870.

MORTALITY OF THE UNITED STATES.

TABLE III.—DEATHS BY STATES AND TERRITORIES—SEX AND MONTH—1870.

							SEX A	ои ди.	NTII—N	IALE.					
STATES AND TERRITORIES.	Aggregate.	Total.	Unknown month.	January.	February.	March.	April.	May.	June,	July.	August.	September.	October.	November.	December.
United States	492, 263	260, 673	500	21, 728	22, 154	26, 379	23, 512	25, 346	17, 427	22, 019	24, 298	22, 201	19, 470	17, 212	18, 718
Alabama	10,771	5, 637	10	546	499	605	568	675	377	417	434	409	381	317	399
Artzona	252	168		18	13	30	20	14	11	6	8	9	20	11	8
Arkansas	6, 119	3, 202	2	311	342	350	323	344	129	223	288	308	202	156	234
California	9, 025	5, 687	14	471	463	455	454	532	452	502	400	450	479	488	518
Colorado	375	232		9	10	31	16	44	17	23	22	. 17	11	12	20
Connecticut	6, 796	3, 550	6	260	287	362	286	330	214	269	349	286	301	296	304
Dakota	101	69	· - ·	8	.8	8	6	4	ລ	4	8	8	5	4	4
Delawaro	1, 561	827	1	52	75	95	88	86	. 66	70	69	57	60	60	48
District of Columbia	2,015	1,065		84	73	103	. 85	96	86	118	132	75	78	58	77
Florida	2,264	1, 225		111	113	110	109	127	78	112	112	93	93	66	101
Georgia	13, 606	6, 990	12	631	582	. 695	686	860	464	580	594	501	434	457	494
Idaho	-50	30		1	· 1	4	4	5	,2	3	7	2	5	1	4
Illinois	33, 672	18, 141	8	1, 443	1,537	1,837	1,480	1,441	988	1, 415	1,998	1,990	1, 545	1, 221	1, 235
Indiana	17, 661	9, 203	2	764	188	1,057	767	842	490	605	809	1,001	813	587	590
Iowa	9, 597	5, 117	3	355	461	545	461	455	334	394	622	497	380	287	323
Kansas	4, 546	2, 433	2	199	218	273	252	236	120	148	198	296	160	157	174
Kentucky	14, 345	7, 394	7	634	676	788	725	746	439	632	654	583	553	499	459
Louisiana	14, 499	8, 212	16	749	668	767	767	997	546	552	705	571	623	535	716
Maino	7, 728	3, 993	2	326	340	435	412	394	212	251	284	345	373	296	323
Maryland	9, 740	5, 085	1	392	437	589	483	543	319	488	480	359	327	317	357
Massachusetts	25, 859	12, 894	9	1,042	950	1,037	1,033	1,133	869	1, 182	1,418	1,206	1,063	938	1,014
Michigan	. 11, 181	5, 771		. 398	514	557	517	562	341	420	611	544	471	391	445
Minnesota	- 3, 526	1,949		. 157	159	169	170	185	119	171	196	185	159	134	145
Mississippi	. 9, 172	4, 788	9	457	422	. 502	449	497	327	406	427	407	330	249	306
Missouri	. 27, 982	15, 762	9	1, 324	1,338	1,603	1,325	1,239	983	1,408	1,567	1, 613	1, 219	1,004	1, 130
Montana	. 185	137			13		1 '	12	7	12	6	7	7	8	16
Nobraska	1,000	545	1	. 49	56		í	1	1	48	53	52	39	24	26
Novada		423		. 48	26	3	1	25	1	42	58	50	27	24	37
New-Hampshire		2, 092			184					170	198	191	149	164	153
New Jersey	10, 586	5, 716	19	459	497	1	1	550	394	592	522	417	355	383	432
New Mexico		623			44	ł			1	40	55	48	59	59	36
New York		36, 740	1	l l	2,933	1		1	1	3, 367	3, 436	2,918	2,762	2, 596	2, 649
North Carolina		5, 142		, ,	1	,	1 '	1 .	1 '	520	432	389	390	341	371
Ohlo		15, 724						1	4	1, 240	1, 434	1,448	1, 201	1,048	1, 115
Oregon		337		26	1 -		1 '	1	4	36	17	1, 110	31	29	20
Pennsylvania		27, 961	1	T .	2,523		1	1	1	2,444	2, 379	1,967		1,792	2, 053
Rhode Island		1, 423	1	192	1 -	1 '	1 '	1 '	1 -		160	1 '	1,870	110	133
South Carolina		3, 757	1		335					1	1	130	1		243
Tennessee		6, 963		1		l l	1		1	362 580	328	248	200	207	480
Texas, (east of Colorado River)		II.	1	1			i i	- 1			685	600	461	386	_
Texas, (west of Colorado River) .		11 1		. 114					1	426	496	459	336	313	320
Utah		11	i	1		l l				1	146	121	99	77	81
Vermont.		II .	.								53	76	51	23	98
Virginia	.,		1	1		i i				1	164	158	177	123	131
Washington	223	11 .	. 1			1	1	1	1	L	1	491	467	404	478
West Virginia	4,018	н							1			8		15	3
Wisconsin		11 '	ŧ		1 -	l l	1			i i		1	ı		111
Wyoming		şı -		1	I.	1		1	1			427	1	423	407
J outstrib	**	9	J	2 8	' '	3 10) ار	5 T	' 5		. 3	6	3	6	3

TABLE III.—DEATHS, BY STATES AND TERRITORIES—SEX AND MONTH—1870.

		Annual Control of the				s	EX AN	D MON	rii—fe	MALE.					
STATES AND TERRITORIES.	Aggregate.	Total.	Unknown month.	January.	February.	March.	April	May.	June.	July.	Angust.	September.	October.	November.	December.
* United States	492, 263	231, 590	130	18, 905	19, 842	23, 333	21, 020	23, 207	15, 687	19, 254	21, 926	19, 800	17, 181	15, 192	16, 107
Alabama	10, 771	5, 134	4	452	432	486	535	721	346	445	428	359	206	270	360
Arizona	252	84		. 5	16	99	13	5	• 2	3	2	4	ม	1	9
Arkansas	6, 119	2, 917	6	277	274	319	266	301	158	216	272	233	225	170	200
California	9, 025	3, 338	1	279	265	254	270	297	302	271	264	285	270	263	317
Colorado	375	143		10	8	13	15	24	7	17	5	15	8	9	12
Connecticut	6, 706	3, 246	1	200	296	297	287	256	175	250	363	294	277	244	240
Ďakota	101	32		4	7	3	4	1	1	ລ	4	2	1	2	1
Delaware	1, 561	734		56	50	86	69	92	51	70	65	54	40	38	48
District of Columbia	2,015	950		65	73	96	80	78	75	93	115	78	60	10	76
Florida	2, 264	1, 039		91	99	101	93	137	70	82	94	76	65	63	68
Georgia.*	13, 606	6, 616	10	525	547	656	696	872	454	503	559	484	441	380	429
Idaho	50	11			1			2	1	1		1	1	1	3
Illinois	33, 672	15, 531	3	1, 273	1,365	1,600	1, 324	1, 257	836	1, 178	1,746	1, 733	1, 235	1, 024	948
Indiana	17, 661	8, 453	1	709	821	878	766	798	448	530	818	895	724	516	549
Iown	9, 597	4, 480	5	346	375	483	476	415	202	305	515	435	335	234	264
Kansas	4, 546	2, 113	3	171	178	229	212	197	108	141	187	244	164	132	147
Kentucky	14, 345	6, 951	11	594	664	712	673	722	494	582	659	549	507	430	424
Louisiana	14, 499	6, 287	9	523	467	574	587	785	465	498	573	441	452	408	505
Maine	7, 728	3, 735	• • •	296	333	371	345	390	239	228	299	309	351	271	303
Maryland	9, 740	4, 655		365	390	519	473	591	313	448	389	305	292	297	343
Masachusotts	25, 859	12, 965	9	1,005	954	1,061	1,002	1, 140	895	1, 167	1,413	1,224	1,084	1,017	994
Michigan	11, 181	5, 410	,	393	461	579	482	544	356	376	520	560	437	348	354
Minnesota	3, 596	1, 577		118	149	159	135	141	108	116	206	135	120	92	98
Mississippi	9, 172	4, 384	. 6	403	424	4:16	429	499	314	379	352	351	260	240	281
Missouri	27, 982	12, 220	7	1,077	1,042	1, 257	1, 015	1,046	781	895	1, 195	1, 277	930	842	856
Montana	185	48	1	8	3	4	7	3	-1	6	3	3	1	1	4
Nebraska	1,000	455		34	42	65	53	36	24	42	-30	40	37	19	94
Nevada	615	192		19	17	16	13	9	5	10	25	28	8	10	23
New Hampshiro	4, 291	2, 199	3	180	166	221	191	179	149	170	210	196	171	189	168
New Jersey	10, 586	4, 870	1	414	493	505	454	184	319	481	475	352	303	327	332
New Mexico	1, 180	557		. 39	53	56	47	63	43	35	42	41	- 41	40	48
New York	69, 695	32, 355	3	2, 622	2, 681	3,068	2, 823	2, 964	2, 494	2, 908	3, 018	2, 523	2, 470	2,324	2, 367
North Carolina	10, 588	5, 446	17	355	430	517	475	662	421	565	448	434	392	381	369
Ohio	29, 568	13, 844	6	1, 137	1, 256	1,370	1, 259	1, 354	906	1,025	1, 256	1, 256	1,071	973	975
Oregon	622	285		27	20	39	29	22	27	19	28	21	23	14	16
Pennsylvania	52, 639	24, 678	5	2, 101	2, 224	2, 696	2, 330	2, 434	1, 715	2, 108	2, 134	1,743	1,688	1, 595	1,816
Rhodo Island	2, 741	1, 318	l	114	90	99	. 08	811	77	131	157	136	109	98	91
South Carolina	7, 380	3, 623	2	301	300	386	373	495	274	307	300	256	219	100	211
Tennessee	14, 239	7, 276	5	556	626	802	723	810	484	621	723	580	498	401	447
Texas, (east,of Colorado River)	9, 015	4, 025	2	381	375	494	319	428	242	301	394	375	308	237	239
Texas, (west of Colorado River)	2, 182	918		68	67	90	89	100	60	82	106	87	58	45	66
Utah	891	439		28	27	31	26	40	31	19	59	84	46	10	29
Vermont.	3, 545	1,741	1	191	127	184	155	164	135	127	161	101	165	132	108
Virginia	15, 183	7, 631	11	542	613	800	713	928	633	774	699	543	447	404	465
Washington	20, 100	02	l^^	7	7	11	14	6	4	7	7	4	8	0	8
West Virginia	1,018	1, 957	1	151	203	241	193	206	126	163	162	132	134	101	144
Wisconsin	9,960	4, 621	1	* 396	384	436	387	458	292	328	430	463	399	320	327
-Wyoming	74	15	1	1		2	2	3	1		1		2	1	. 1
		l				<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u></u>			<u> </u>	1

TABLE IV.

MORTALITY OF THE UNITED STATES,

(BY STATES AND TERRITORIES,)

WITH

CERTAIN DISTINCTIONS OF RACE AND NATIONALITY,

DURING

THE CENSUS YEAR ENDED JUNE 1, 1870.

TABLE IV.—DEATHS BY STATES AND TERRITORIES—RACE AND NATIONALITY—1870.

				UNITED	STATES.						F	oneigs	COUN	TRIES.					
STATES AND TERRITORIES.	ggregate.	Unknown.	Total.	White.	Colored.	Chinese.	Indian.	Total.	Germany.	Sweden, Norway, and Denmark.	Ireland.	gland and Wales.	Scotland.	France.	Other north of Europe.	Italy.	Other south of Europe.	China and Japan.	All other.
Total United States	492, 263	1, 570	424, 730	356, 771	රි 67, 461	CD 34	464	65, 963	18, 626	2, 224	97, 053	7, 159		1, 631	පි 034		931		4,987
	======										Part Produced Control								
Alabama	10,771	6	10, 594	4, 573	6, 021 2		3	171 92	24 2	1 1	83	15 2	13	8	1	2	5		19
Arizona	252	9	160	155	1, 575	; • • •	1	53	11	2	24	4	2	4	1		1		74
California	6, 119	!	6,037	4, 481	1,575	34	121	1	475	82	850	240	89	154	32	38	66	376	356
Colorado	9, 025	51 34	6, 210	5, 994 305	4	37	1 1	2, 764 31	415 5	020	8	10	3	154	1	1	100	310	3
Connecticut	375	26	5,789	I	120		5	981	82	4	631	115	36	10	2	1			100
Dakota	6, 796			5, 664	1 1		18	58	4	7	9	2	30	10	"	1		*****	5
	101		73	1 100	304		10			' '	. 53	24		ລ		1	2		1
Delaware	1,561	777	1,466	1, 162	821			95	13 54	_δ	103	21	5	4	1		4		3
District of Columbia	2,015	17	1,800	979			*****	198	8	1	17	11	G	1	1	. 1	4		58
Florida	2, 264	3	3,154	1,062	1,002			107		1	. 78	11	10	8	1	2	[,	27
Georgia	13, 606	24	13, 411	6, 212	7, 199 1			171	32		2	2		1	1		2	7	6
Idaho	50		28	27	328	• • • • •		23	0.001	020		548	751	117	110	6	112	' '	257
Illinois	33, 672	49	28, 115	27, 785	332		2 9	5,508	2, 201	639 16	1,358 288	117	151 28	54	119	1	31		40
Indiana	17, 661	35	16, 329	15, 988		• • • •		1,297	708	230	324	124	45		61	ı	i I		115
Iowa	9, 597	28	8, 171	8, 061	107 311	••••	3	1,398	420	230 55	92	76	12	25	1 1	. .	54		37
Kansas	4,546	16	4, 139	3, 797			31	391	101	i '	219	45	13	20	5	1	10		14
Kentucky	14,345	961	13, 743	10, 700	3,034	• • • •	5	598	272		663	97	30	341	17	51	02	3	203
Louisiana	14, 499	261 3	12, 186 7, 238	5, 456	6, 725		0	2,052	529	21 2	191	37	13	4	1	31	112	1	232
Maine	7, 728		1 '	7, 200	38	'		487 863	5	2	261	83	14	5	8	4	4		11
Maryland	9, 740	45 71	8,832	6, 564 20, 137	2, 268 341		4	5, 306	471 178	33	3,600	424	120	25	ន	14	18		823
Michigan	25, 859	26	9, 403	9, 132	150		119	1,759	375	25	374	280	78	20	113		4		483
Minnesota	11, 1 81 3, 526	4	2,598	2, 502	3		23	994	245	376	173	48	17	11	13		27		84
Mississippi	9, 173	20	9,014	3, 567	5, 442		5.	138	32	5	50	7	0	9	1	1	2		16
Missouri	27, 082	70	24, 242	22, 518	1,722		ន	3, 664	1,039	51	1,106	218	34	96	43	15	70		86
Montana	185	15	119	100	2		11	51	12	4	14	3	3	1	1	ļ	1	8	5
Nebraska	1,000	8	838	834	4			1.54	70	10	32	8	3	1	3	l	1		14
Novada	615	3	406	. * 405	1			206	22	0	05	41	0	6	າ		3	22	33
New Hampshire	4, 201	4	4,036	4, 027	9			251	. D	"	135	21	5	2					86
New Jersey	10, 586	14	9,040	8, 503	447			1,539	423	9	608	245	. 56	41	8	1	10		41
New Mexico	1, 180	3	1, 137	1, 115	4		18	40	. 10		3		2	1	1	1			23
New York	69, 095	191	51, 701	50, 324	1, 373		4	17, 203	4, 166	210	9, 196	1,775	476	300	195	52	111	9	713
North Carolina	10,588		10, 536	6, 037	4, 447		52	52	11		8	G	17		1		7		2
Ohio	29, 568	92	25, 282	24, 208	1,071		3	4, 194	2, 087	1	1,057	507	97	153	31	6	116		139
Orogon	622	2	557	545	9		3	63	19	2	11	8	1	1	.1		1	8	11
Pennsylvania	52, 639	340	44, 522	42, 866	1, 656			7,777	1,899	19	3, 941	1, 370	206	191	57	10	57		97
Rhode Island	2,741	1	2, 302	2, 210	82		1	438	8		253	80	15	1	1		3		77
South Carolina	7, 380	1	7, 231	2, 321	4, 910			148	38	2	. 52	17	8	3	1	ļ. .	1		26
Tennessee	14, 239	15	14, 015	9, 562	4, 453			200	30		131	14	10	G	4	6	2	 	6
Texas, (east of the Colorado	,		,		''	i								l .				ļ	
River)	9,015	29	8, 610	6, 013	2, 597		:	376	174	11	77	24	10	12	12	2	11		43
Texas, (west of the Colorado	-,		,	.,	.,	.										ŀ	1	i	
River)	2, 182	7	1,662	1, 228	432	ا,,ا	Ω	513	153		28	6	4	18	5	1	8		290
Utah	891	1	744	737	3		4	146	1	41	3	78	11	1		 .	1		10
Vermont	3, 545	6	3, 270	3, 262	8			269	ī	1	96	23	17	1		. .			130
Virginia	15, 183	6	15,031	7, 370	7, 650		Ω	146	37		64	21	7	6	3	ļ. .	3		5
Washington	223	1	174	155	4	l	15	48	6	2	10	11	2	1	1	1		3	11
West Virginia	4, 018	2	3,872	3, 628	244			144	47	1	68	15	5		5				- 3
	9, 960	13	7, 122	7, 078	42		4	2, 825	1, 214	340	468	322	64	27	164		66		160
Wisconsin	ຸ ອຸ ຄວບ	10														1			